



SUPPLEMENT  
TO THE  
SESSIONAL PAPER XXII.—1935.

THE CEYLON MALARIA EPIDEMIC,  
1934–35.

MAPS AND CHARTS.

*(Supplement to the Report by the Director of Medical and Sanitary Services.)*

SEPTEMBER, 1935.

*Printed on the Orders of Government.*

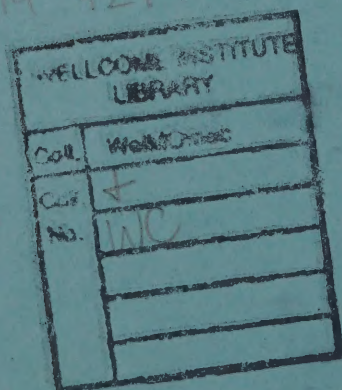
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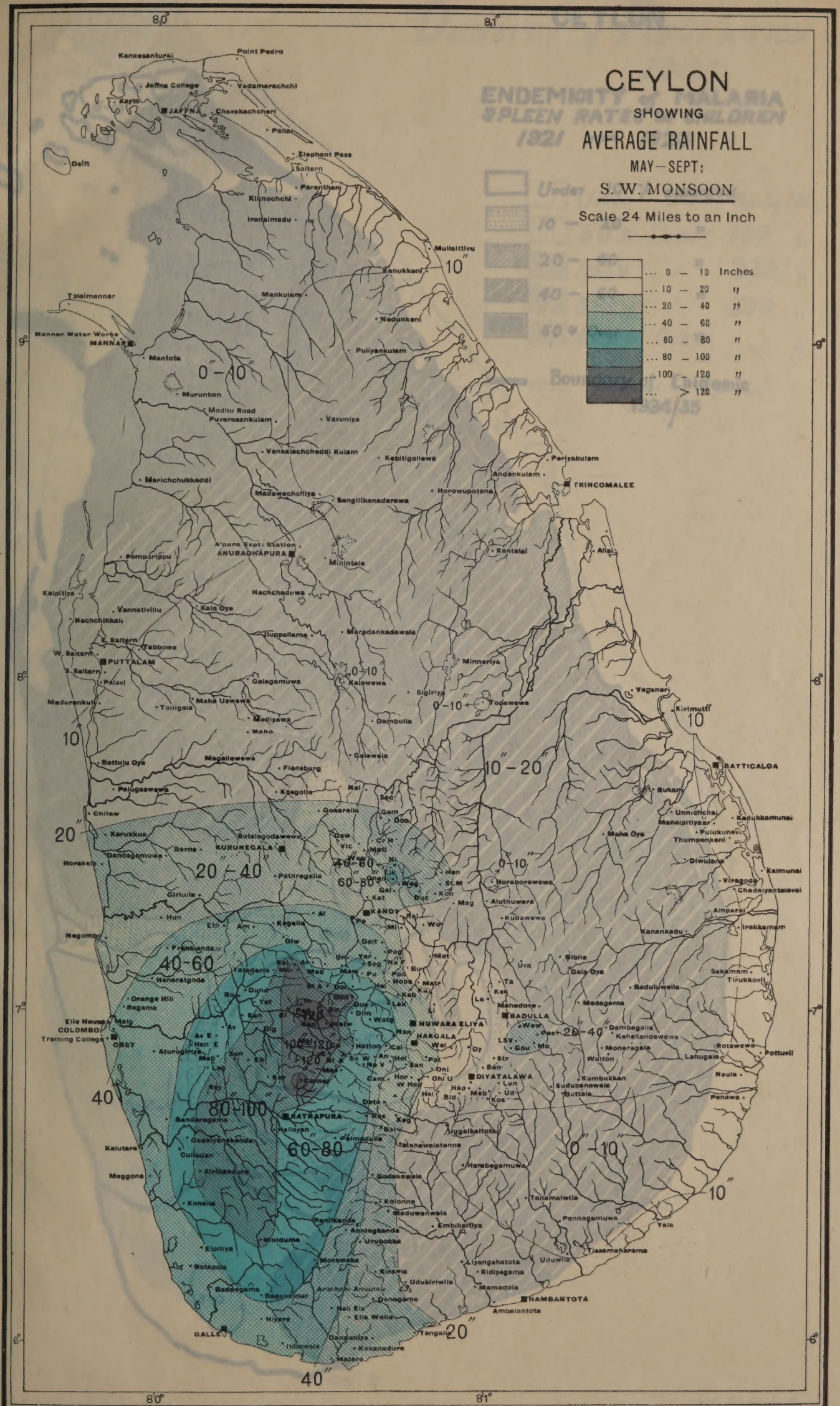
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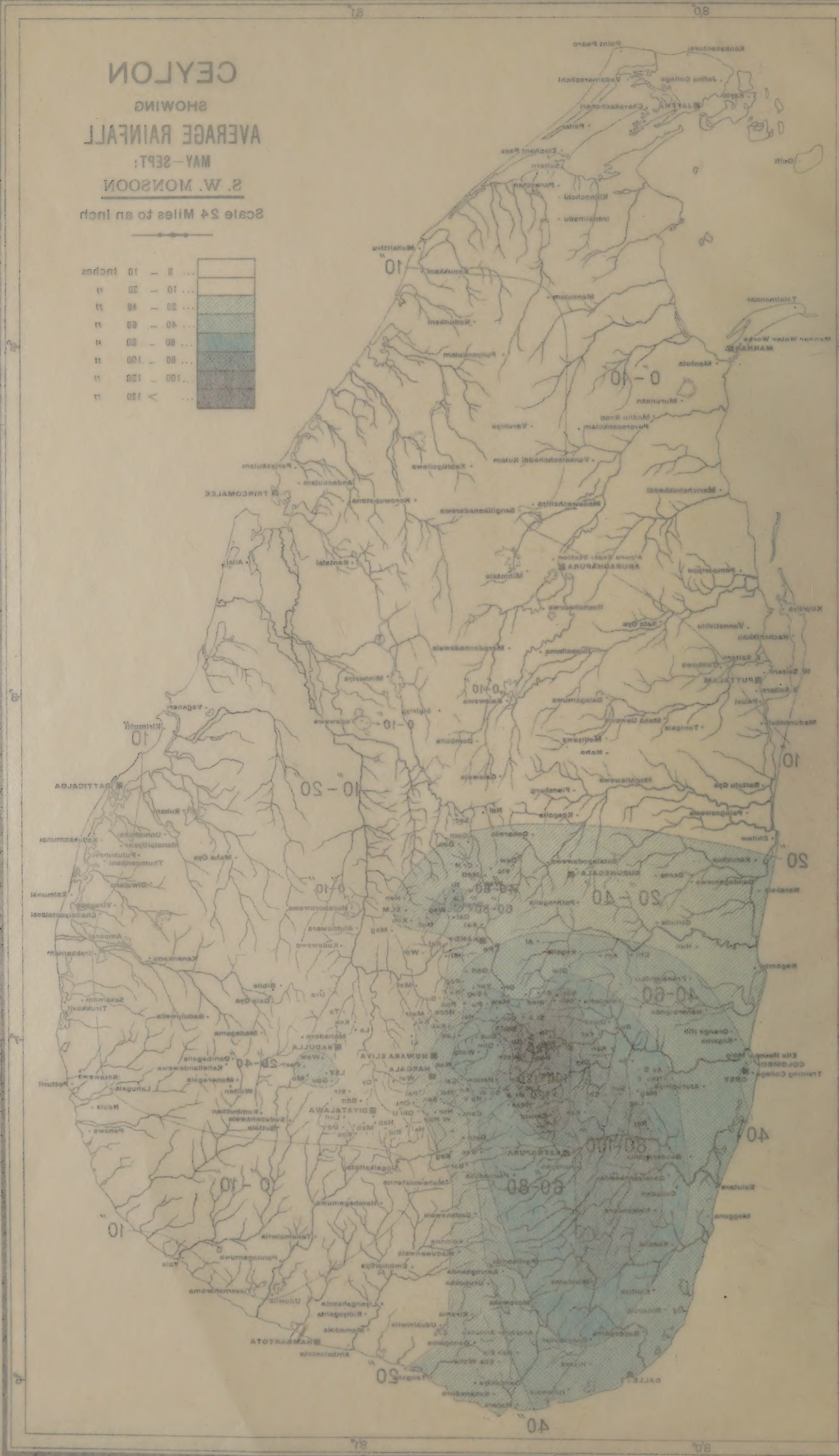
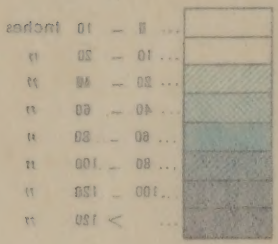


Map 1

# CEYLON

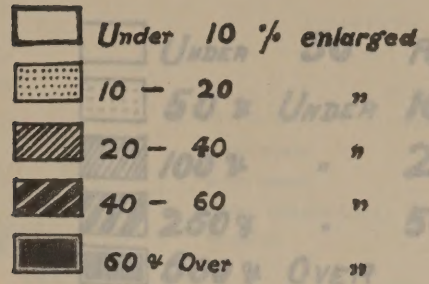
SHOWING  
AVERAGE RAINFALL  
MAY - SEPT.  
S. W. MONSOON

Scale 2 1/2 Miles to an Inch

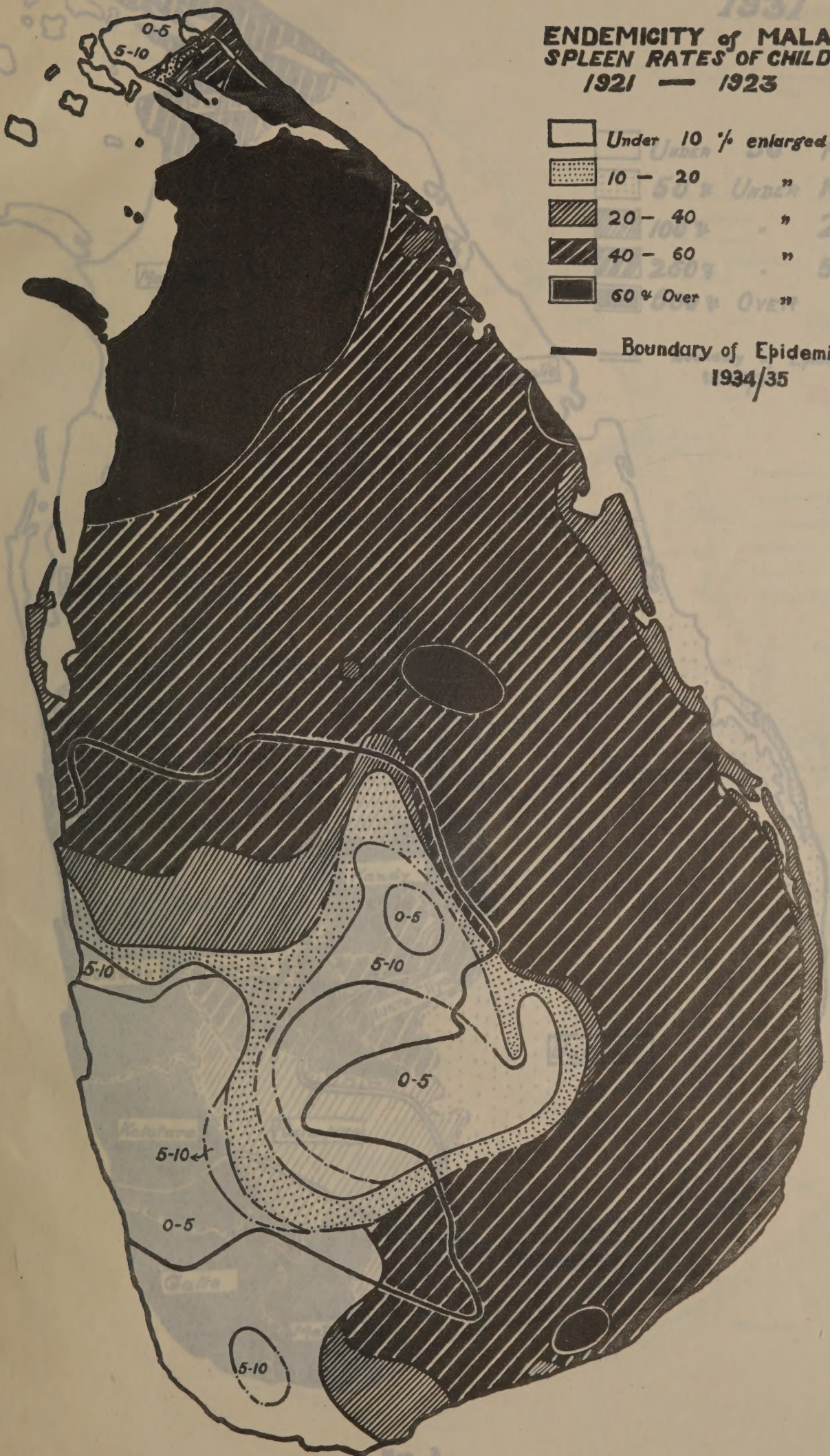


# CEYLON






## ENDEMICITY of MALARIA SPLEEN RATES of CHILDREN 1921 — 1923



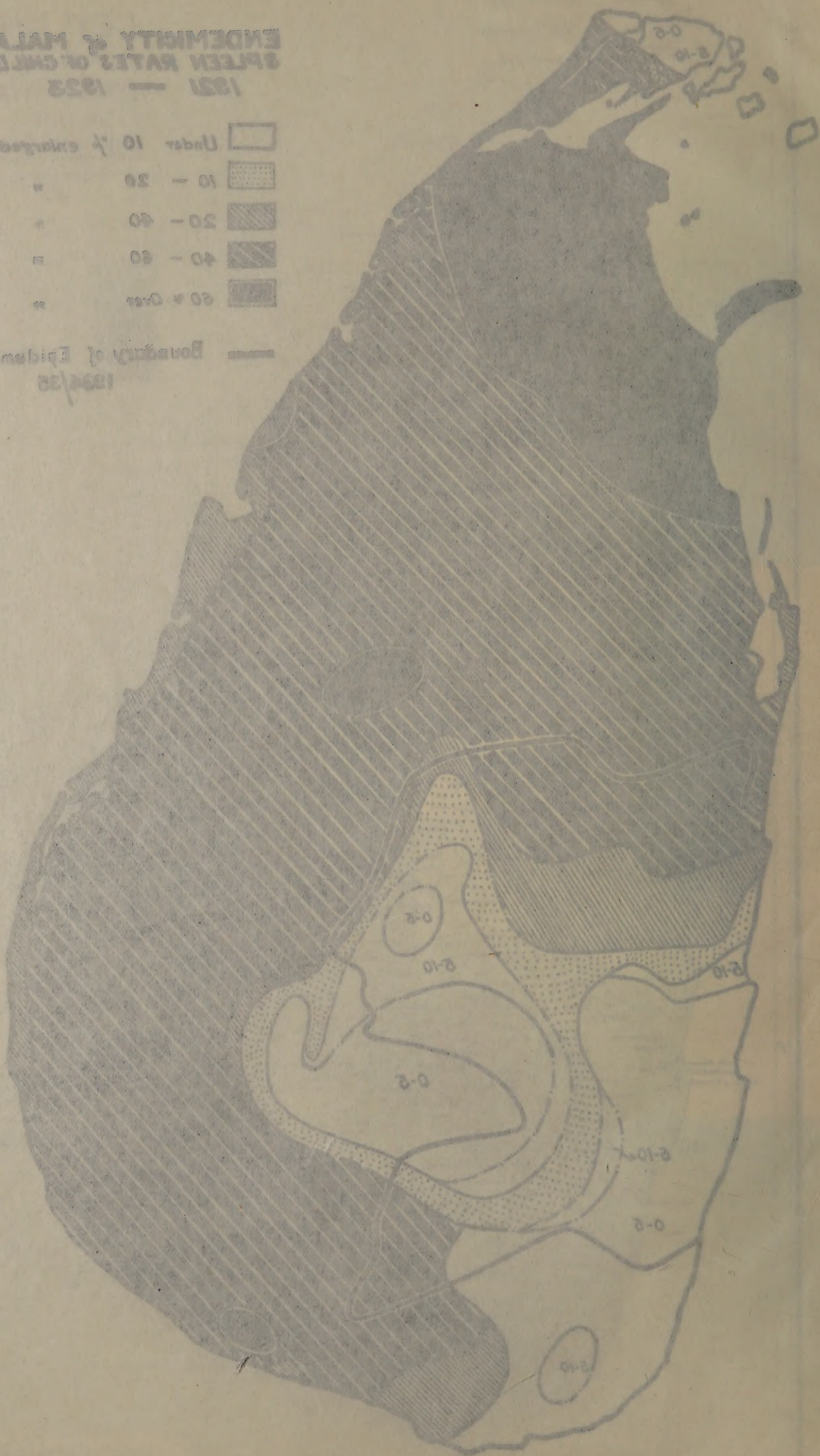
— Boundary of Epidemic  
1934/35



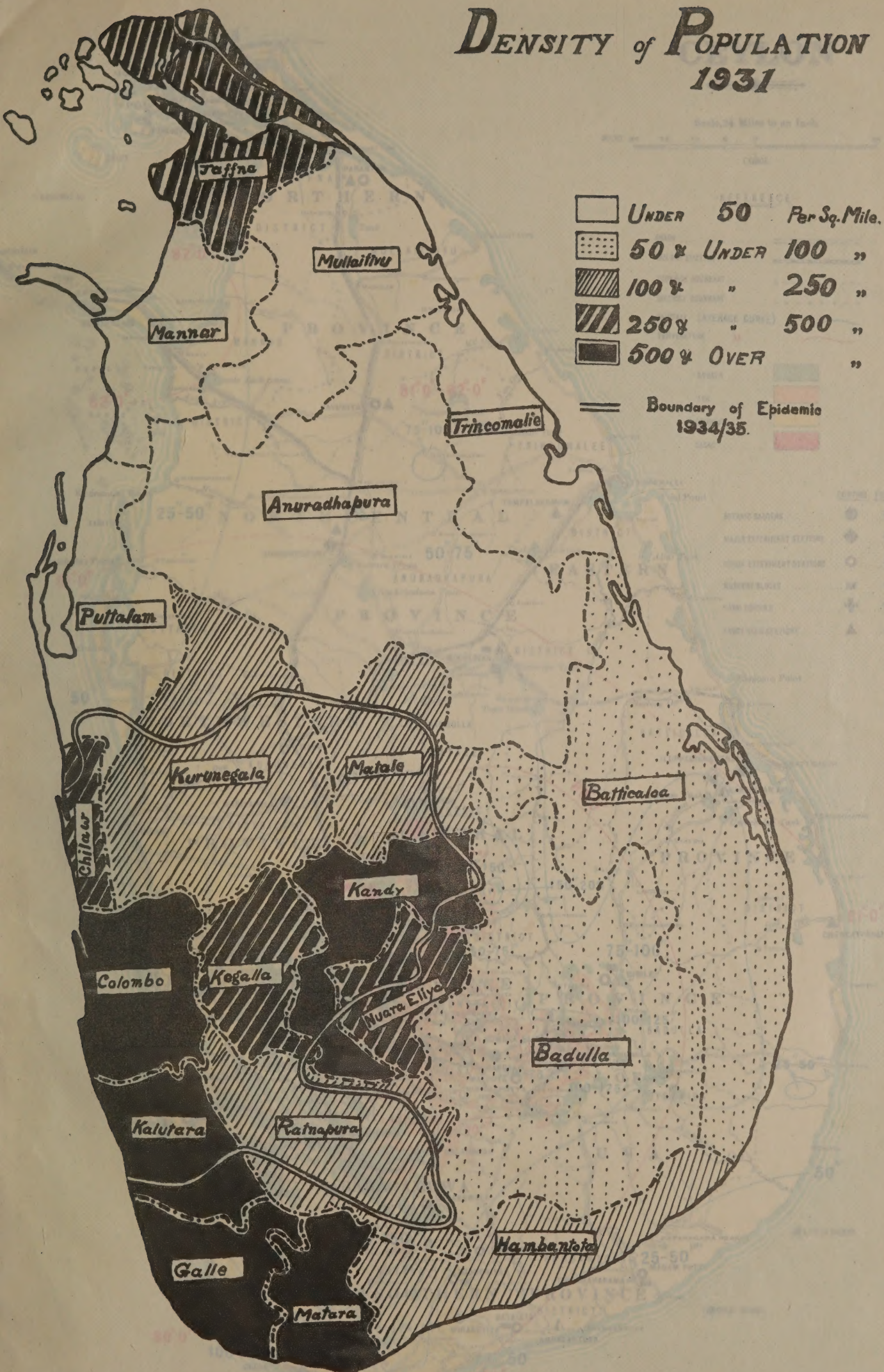
ENDEMICITY OF MALARIA  
SPLEEN RATES OF CHILDREN  
1921 - 1923

Under 10 % enlarged	
" 10 - 20	
" 20 - 40	
" 40 - 60	
" 60 % Over	

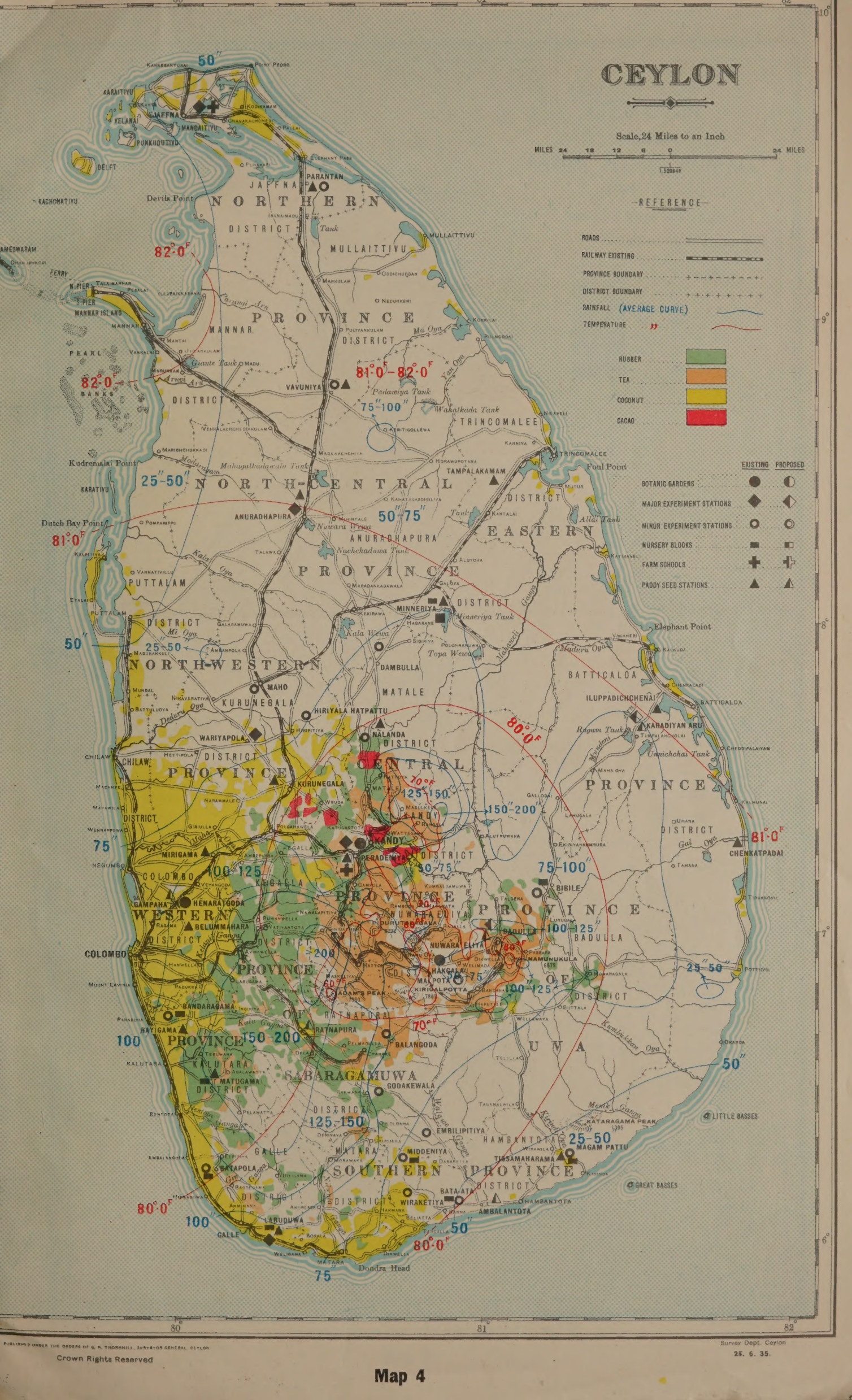
Boundary of Epidemic  
1924/25



# DENSITY of POPULATION 1931







# CEYLON

Scale, 24 Miles to an Inch

MILES 24 18 12 6 0 24 MILES

1:500,000

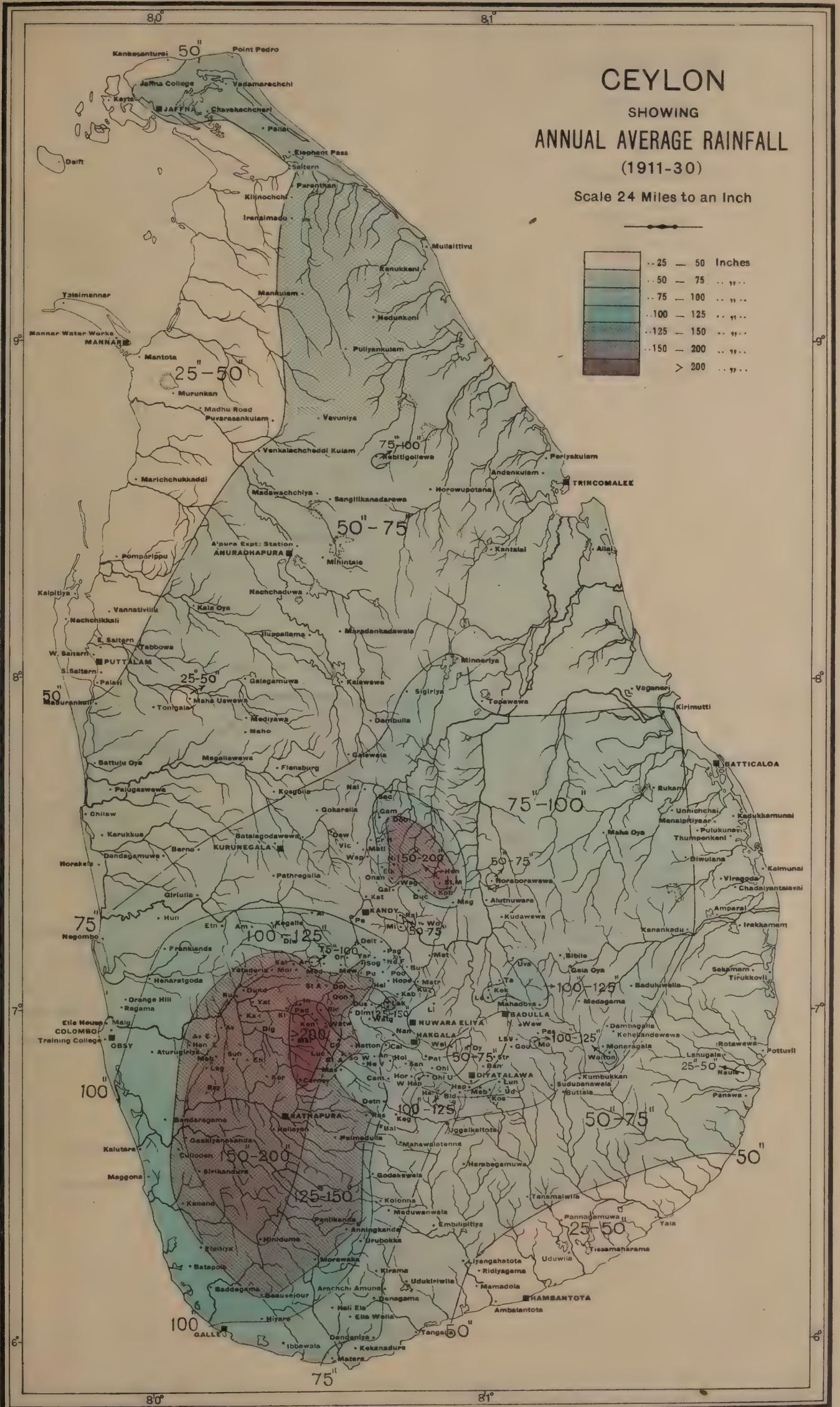
## REFERENCE

- ROADS
- RAILWAY EXISTING
- PROVINCE BOUNDARY
- DISTRICT BOUNDARY
- RAINFALL (AVERAGE CURVE)
- TEMPERATURE

- RUBBER
- TEA
- COCONUT
- CACAO

	EXISTING	PROPOSED
BOTANIC GARDENS	●	○
MAJOR EXPERIMENT STATIONS	◆	◇
MINOR EXPERIMENT STATIONS	◐	◑
NURSERY BLOCKS	■	□
FARM SCHOOLS	+	+
PADDY SEED STATIONS	▲	▲





For names of stations shown in the Map by abbreviation, see Table.

Survey Dept. Ceylon. 30 5. 35.

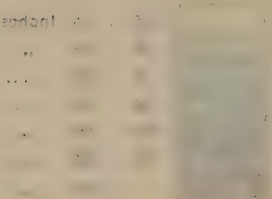
Map 5

# CEYLON

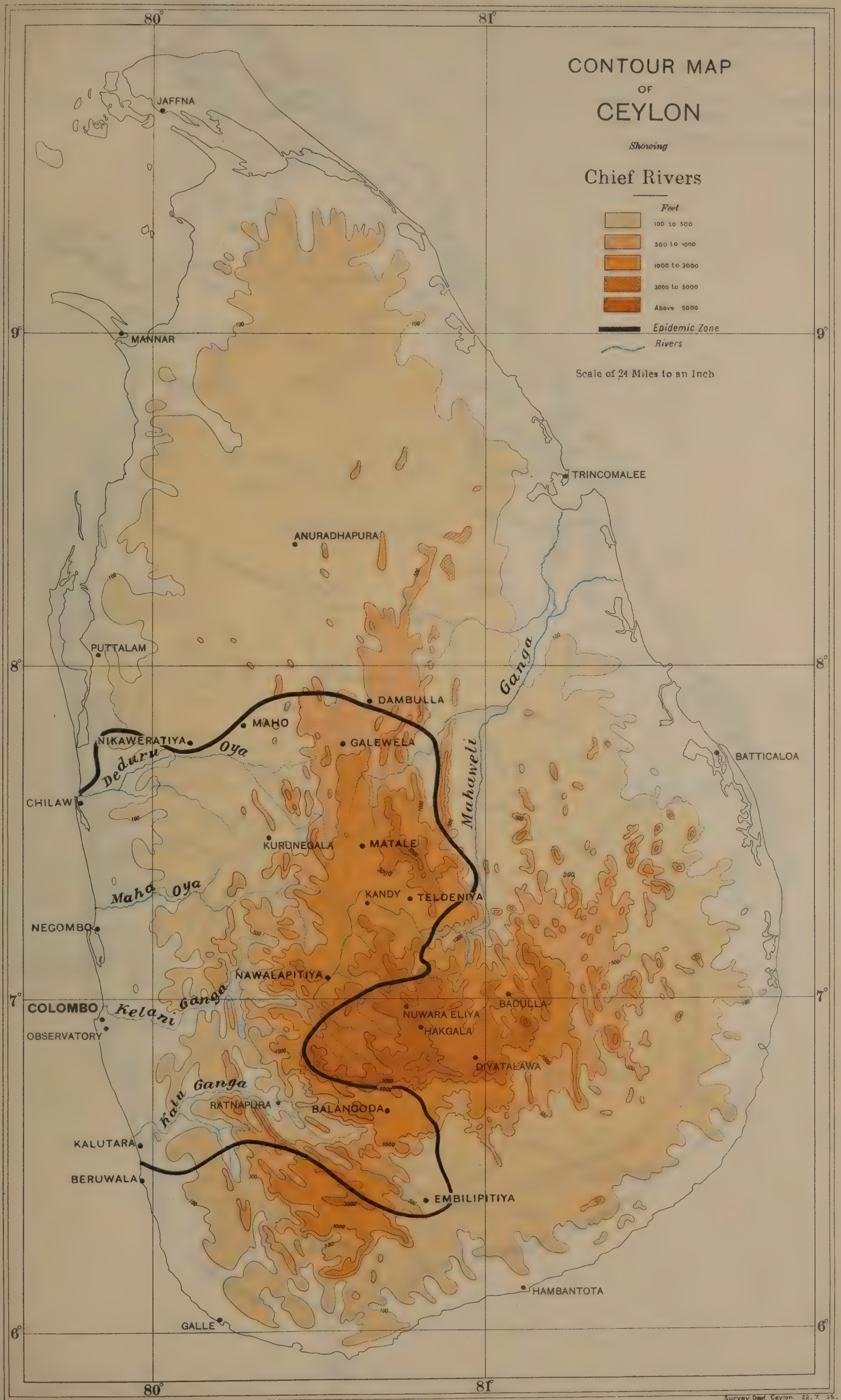
## ANNUAL AVERAGE RAINFALL

(1911-30)

Scale 2 1/2 Miles to an Inch



BRITISH  
INDIA






Survey Dept. Ceylon. 22.7.35.

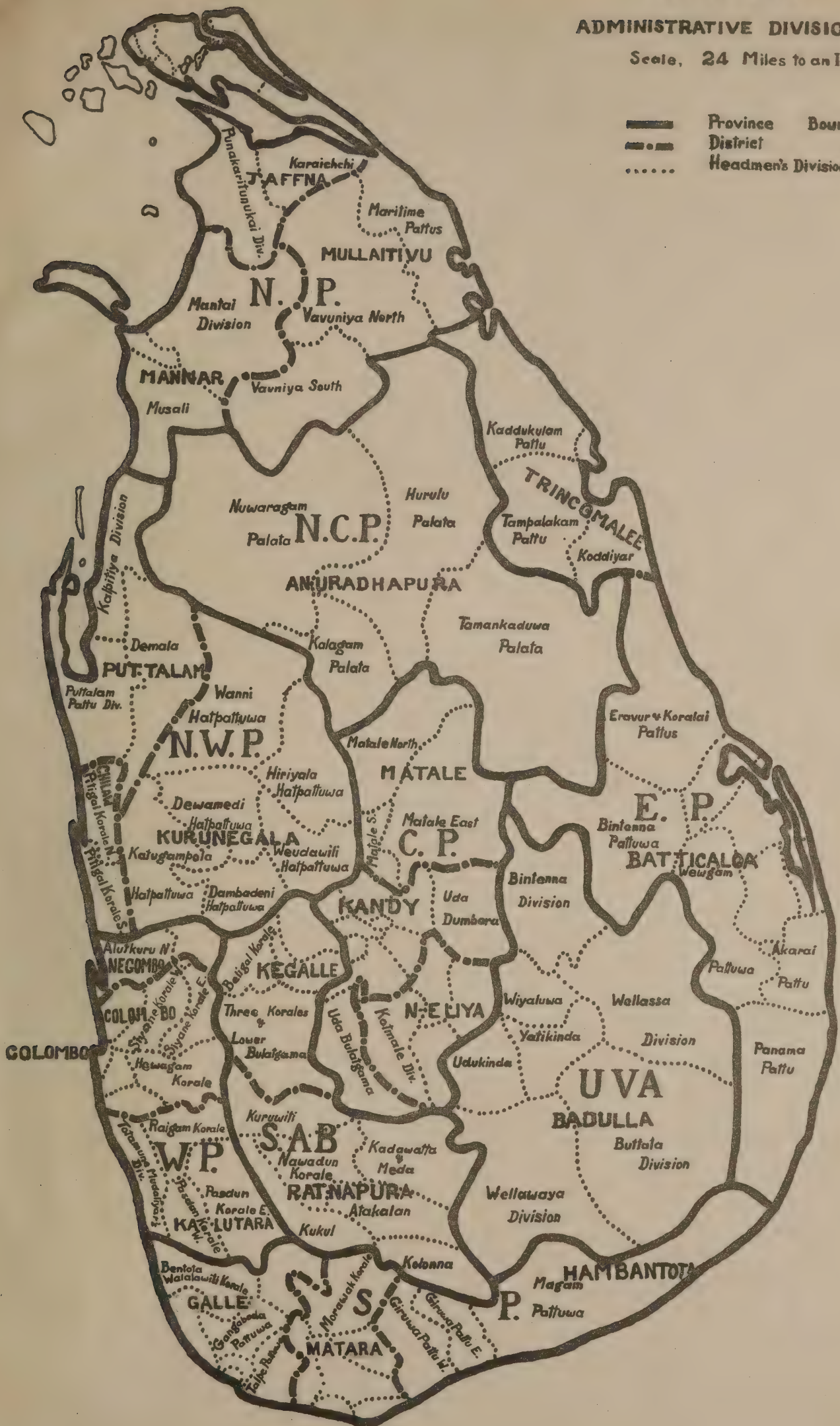
Map 6



## ADMINISTRATIVE DIVISIONS

Scale, 24 Miles to an Inch.

 Province Boundaries  
 District  
 Headmen's Division



ADMINISTRATIVE DIVISIONS

Scale, 24 Miles to an Inch.

Provinces  
Districts  
Administrative Divisions



Division  
AVU  
SRI JAYAWARDENAPURA

# —DEDURU OYA—

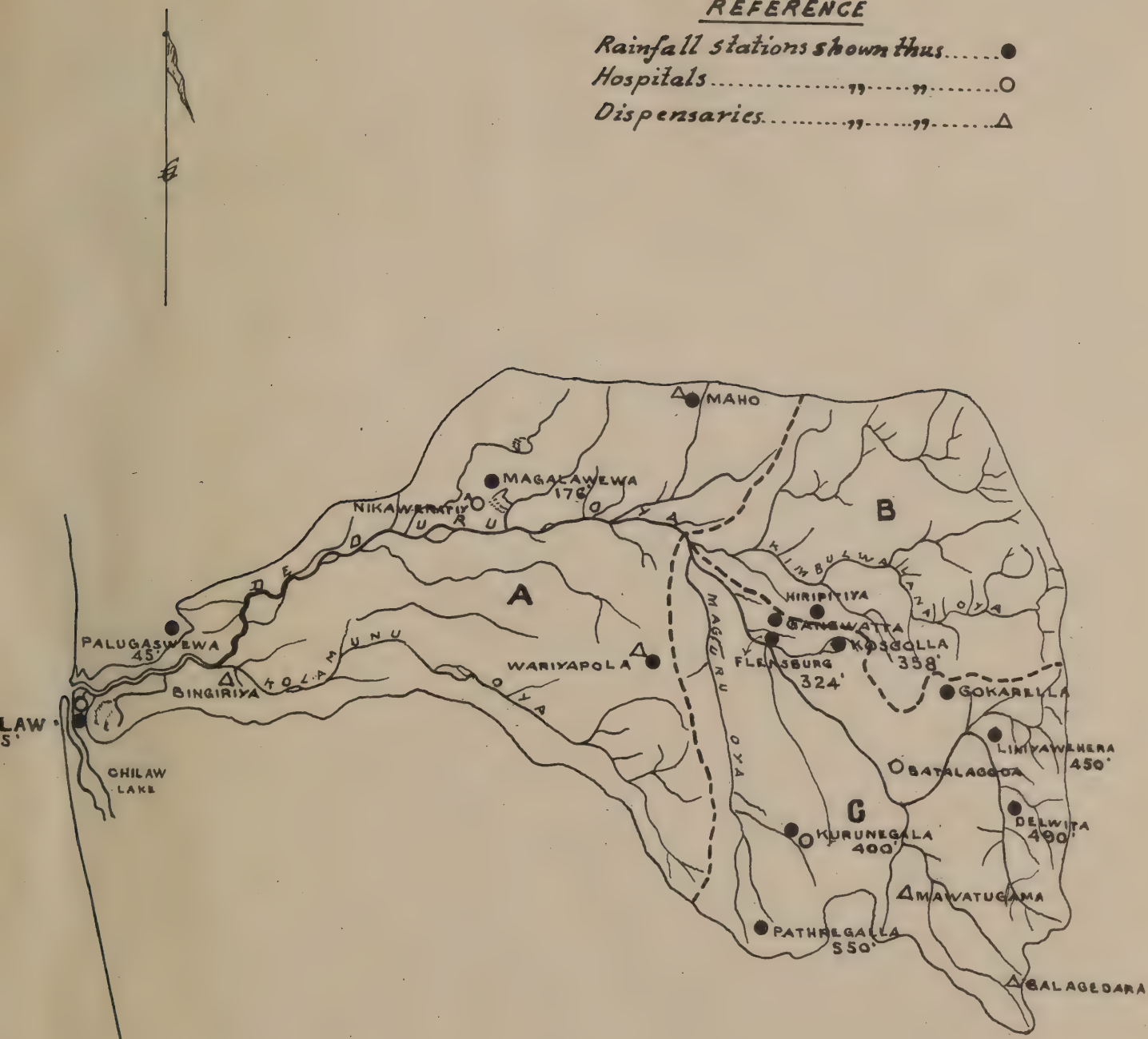
—Scale 8 Miles to an Inch—

## CATCHMENTS

A	—455	Sq: Miles
B	—200	" "
C	—320	" "
Total	—975	" "

## REFERENCE

Rainfall stations shown thus.....●  
Hospitals.....".....○  
Dispensaries.....".....△



# -DEURU OYA-

-Scale 1 mile to an inch-

## LEGEND

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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## SYMBOLS

- ..... 1/4 inch
- ..... 1/2 inch
- △ ..... 3/4 inch



# —MAHA OYA— —Scale 8 Miles to an Inch—

## CATCHMENTS

A	—352	Sq: Miles
B	—210	" "
Total	—562	" "

## REFERENCE

Rainfall Stations shown thus.....●  
Hospitals.....".....○  
Dispensaries.....".....△



-AXD AHAM-

-2nd and 3rd 3 1/2 miles-

at 1000 ft. elevation

2nd 3rd 1/2 miles

at 1000 ft. elevation

2nd 3rd 1/2 miles

2nd 3rd 1/2 miles

2nd 3rd 1/2 miles

2nd 3rd 1/2 miles

2nd 3rd 1/2 miles

2nd 3rd 1/2 miles

2nd 3rd 1/2 miles

2nd 3rd 1/2 miles

2nd 3rd 1/2 miles

2nd 3rd 1/2 miles

2nd 3rd 1/2 miles

2nd 3rd 1/2 miles



# KELANI GANGA

Scale 8 Miles to an Inch

## CATCHMENTS

A = 320 Sq. Miles

B = 425 " "

C = 165 " "

Total = 910 " "

## REFERENCE

Rainfall Stations shown thus.....●

Hospitals.....○

Dispensaries.....△



Map 10

KELANI GANGA

ਸੁਨਾਮ ਨਦੀ ਅੰਮ੍ਰਿਤੀ ਦੇ ਭਾਗਤ

CONTENTS

Total	=	210	22	22
C	=	162	22	22
B	=	452	11	22
A	=	350	22	22

REVISED

# KALU GANGA

Scale 8 Miles to an Inch

## CATCHMENTS

A = 285 Sq. Miles

B = 390 " "

C = 350 " "

Total 1025 " "

## REFERENCE

Rainfall Stations shown thus.....●

Hospitals.....".....○

Dispensaries.....".....△



# —KALU GANGA—

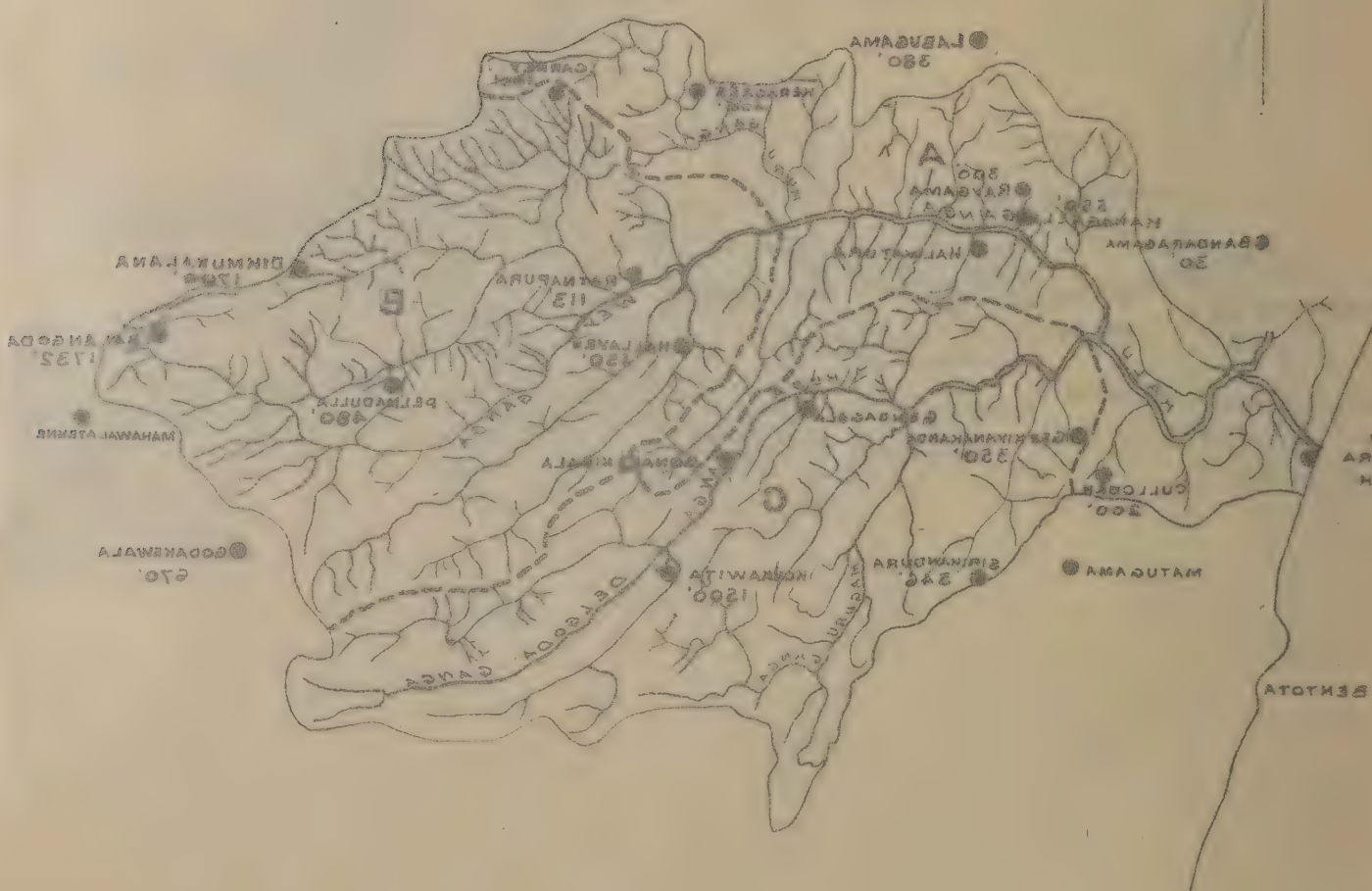
—Scale 8 Miles for an Inch—

## CATCHMENTS

A	==	582	2 1/2 Miles
B	==	390	" "
C	==	320	" "
<u>Total</u>		<u>1022</u>	" "

## REFERENCE

- Rainfall Stations shown thus
- Hospitals
- △ Dispensaries



# MAHAWELI GANGA

Scale 8 Miles to an Inch

## CATCHMENTS

A — 540 Sq. Miles

B — 2010 " "

Total — 2550 " "

## REFERENCE

Rainfall stations shown thus.....●

Hospitals.....—○—

Dispensaries.....—△—



# MAHAWELI GANGA

Scale 8 Miles to an Inch

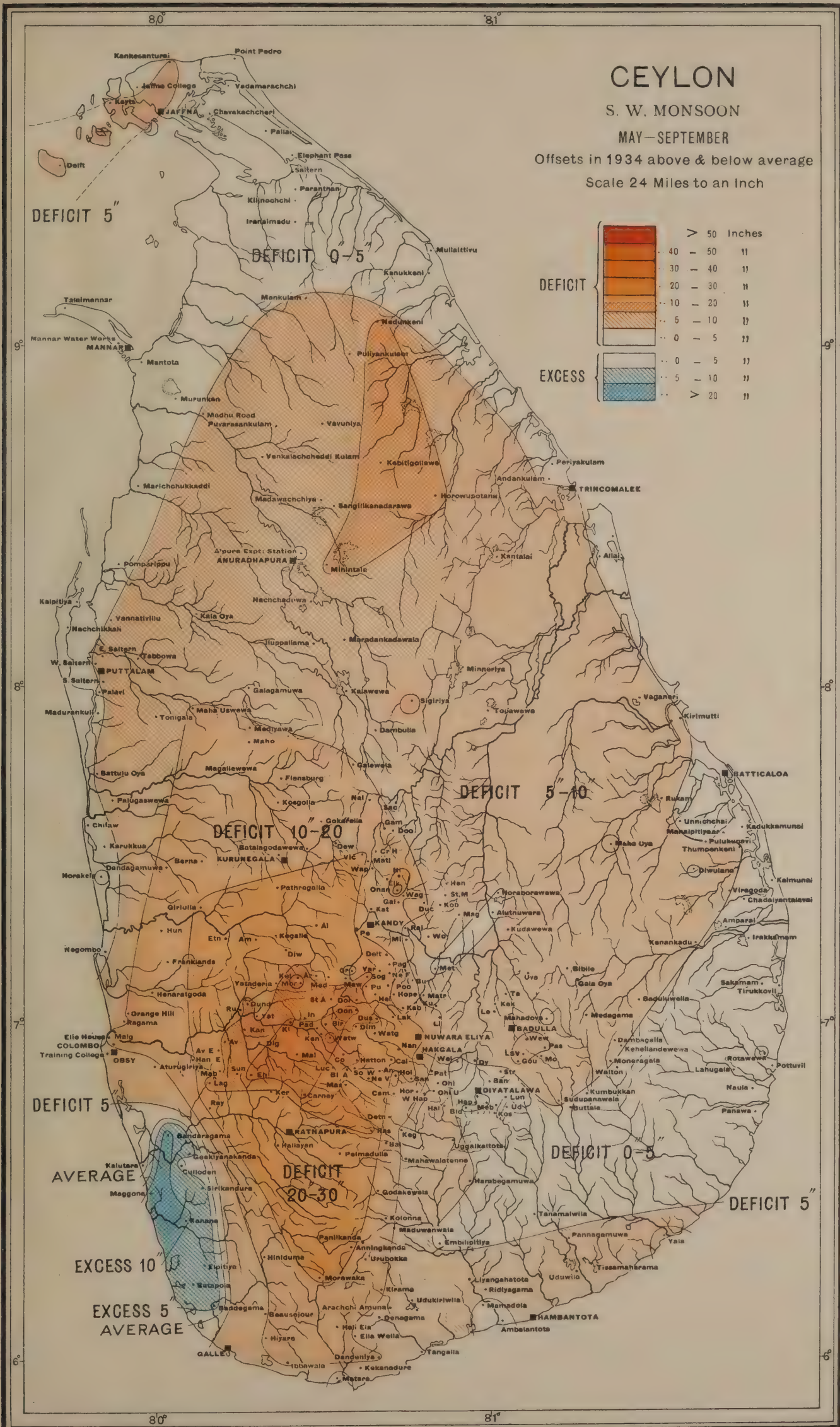
## CATCHMENTS

A	240	sq. Miles
B	2010	"
Total	2250	"

## REFERENCE

- ..... Rainfall stations shown thus
- ..... Hospitals
- ..... Dispensaries





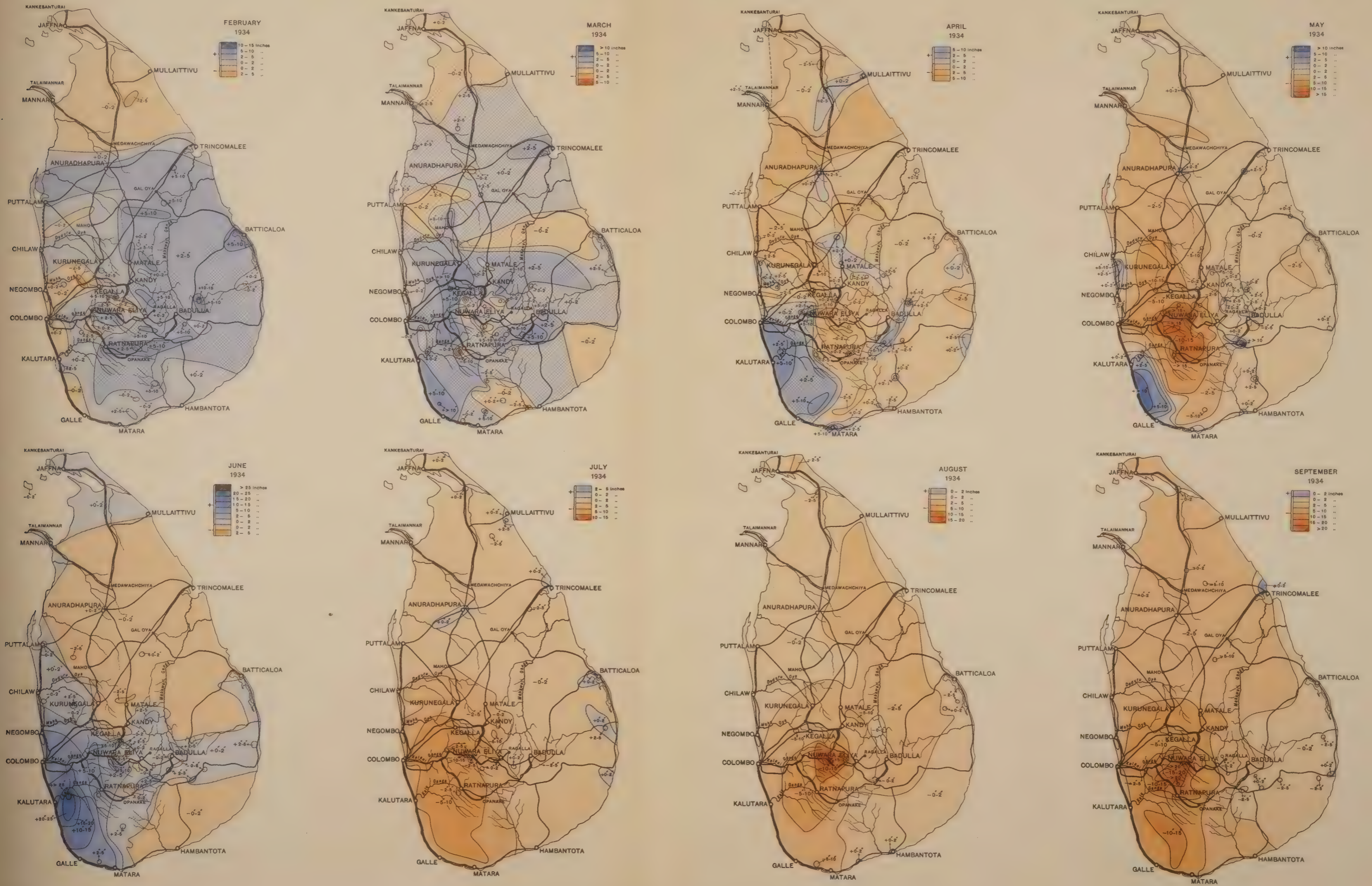
Map 13

CEYLON

EXCESS 5  
AVERAGE

The names of stations shown in the map by abbreviation, see Table.

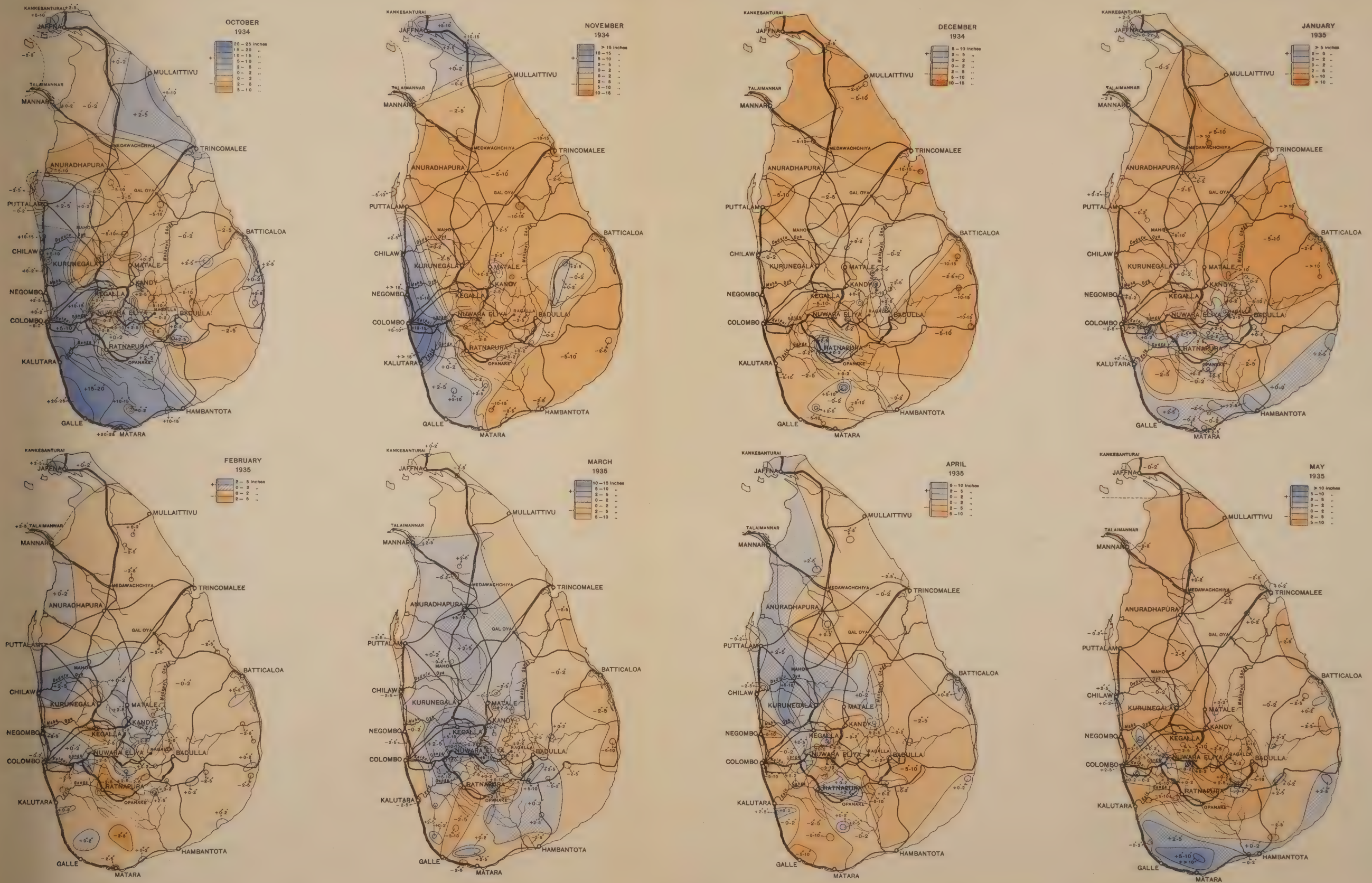
# CEYLON RAINFALL MAPS — OFFSETS FROM FEBRUARY TO SEPTEMBER, 1934.



Map 14a



CEYLON RAINFALL MAPS — OFFSETS FROM OCTOBER, 1934 TO MAY, 1935.

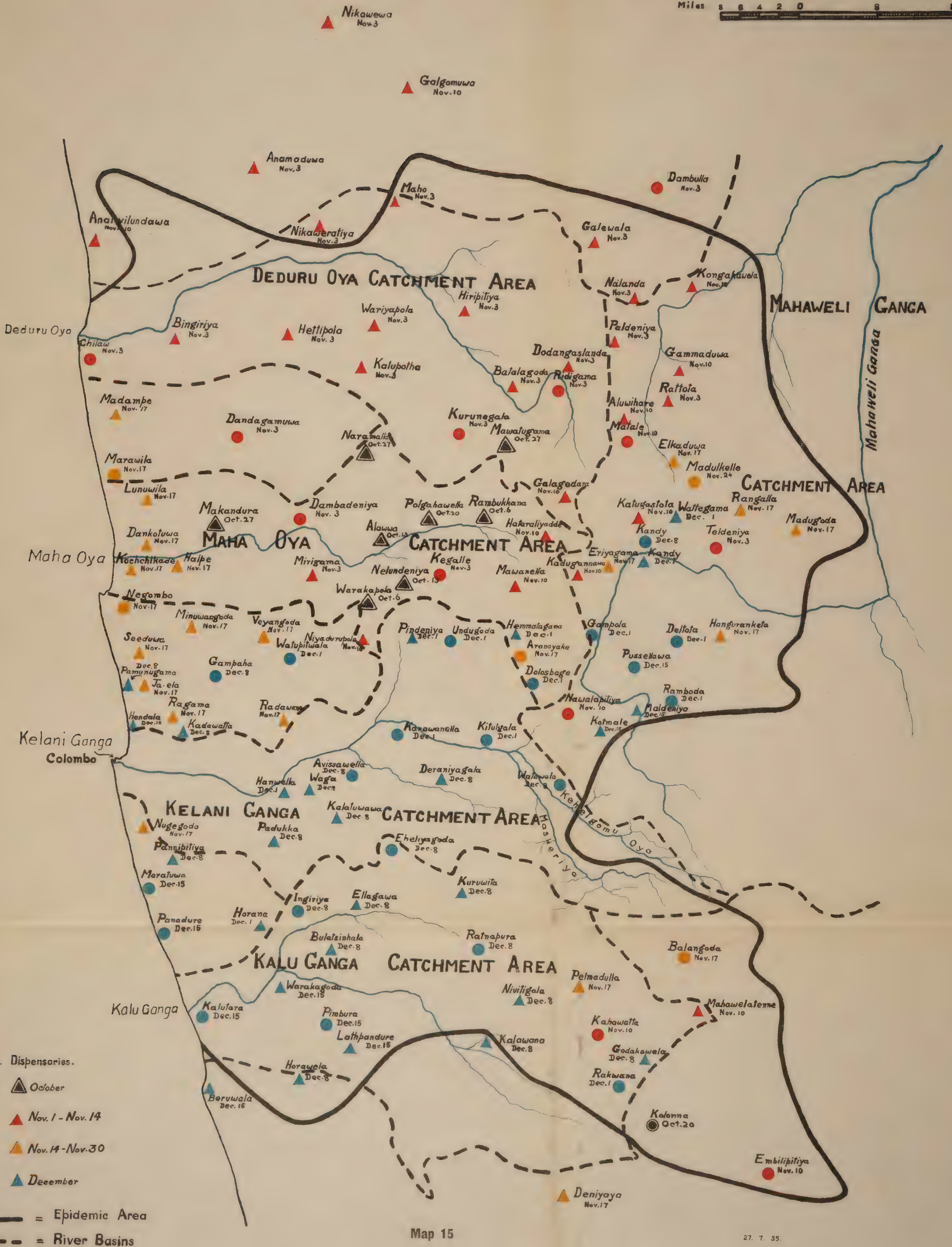




# START OF EPIDEMIC AS SHOWN BY INCREASED ATTENDANCES AT DISPENSARIES AND HOSPITALS IN THE RIVER BASINS.

Scale 8 miles to an Inch.

Miles 8 6 4 2 0 8 16



START OF EPIDEMIC AS SHOWN BY LINE

AT DISPENSARIES AND HOSPITALS WITH  
1 mile to each

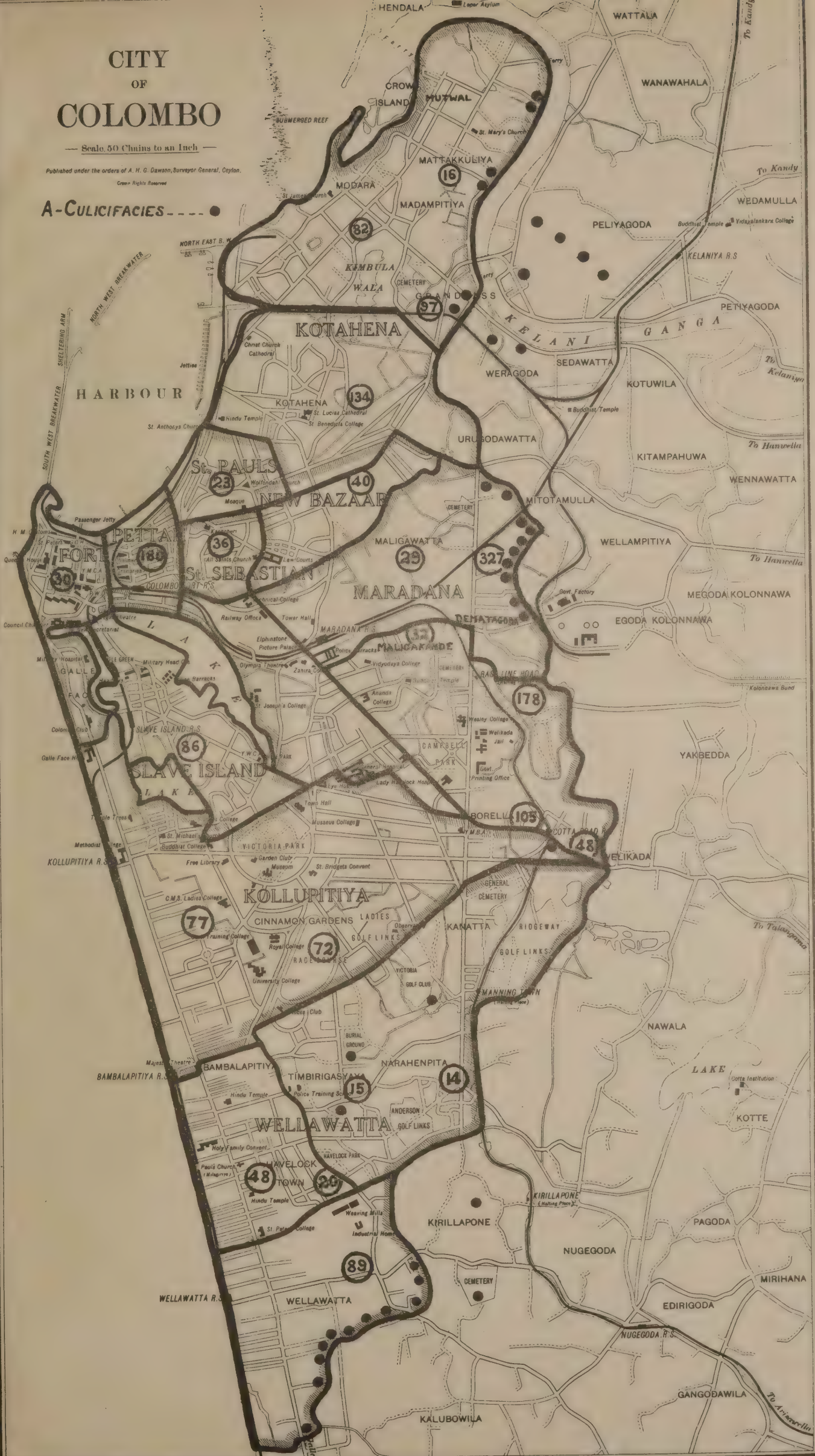


# CITY OF COLOMBO

— Scale 50 Chins to an Inch —

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A-CULICIFACIES - - - ●



MAP OF  
CHIRIQUÍ





## Key to Numbers Given in Maps 17, 18, and 19.

### Chief Headman's Divisions.






<i>Colombo District.</i>			<i>Matara District.</i>			<i>Kurunegala District.</i>		
1.	Colombo Mudaliyar's Division		35.	Four Gravets beyond U. D. C. limits		76.	Hiriyala hatpattu	
2.	Alutkuru korale south		36.	Wellaboda pattu		77.	Weudawili hatpattu	
3.	Hewagam korale		37.	Weligam korale		78.	Dambadeni hatpattu	
4.	Salpiti korale		38.	Morawak korale		79.	Dewamedhi hatpattu	
5.	Siyane korale east		39.	Kandaboda pattu		80.	Katugampola hatpattu	
6.	Siyane korale west		40.	Gangaboda pattu		81.	Wanni hatpattu	
<i>Negombo District.</i>			<i>Hambantota District.</i>			<i>Puttalam District.</i>		
7.	Alutkuru korale north		41.	Magam pattu		82.	Demala hatpattu	
8.	Hapitigam korale		42.	Giruwa pattu east		83.	Kalpitiya division	
			43.	Giruwa pattu west		84.	Puttalam pattu division	
<i>Kalutara District.</i>			<i>Jaffna District.</i>			<i>Chilaw District.</i>		
9.	Kalutara and Panadure totamune		44.	Jaffna Division		85.	Pitigal korale north	
10.	Pasdun korale east		45.	Valikamam East		86.	Pitigal korale south	
11.	Pasdun korale west		46.	Valikamam North				
12.	Raigam korale		47.	Valikamam West		<i>Anuradhapura District.</i>		
<i>Kandy District.</i>			48.	Vadamaradchi		87.	Nuwaragam palata	
13.	Harispattu		49.	Pachchilalpallai		88.	Hurulu palata	
14.	Pata Dumbara		50.	Tenmaradchi		89.	Kalagam palata	
15.	Pata Hewaheta		51.	Karachchi		90.	Tamankaduwa palata	
16.	Tumpane		52.	Punakari-Tunukkai				
17.	Uda Bulatgama		53.	Islands		<i>Badulla District.</i>		
18.	Uda Dumbara		54.	Delft		91.	Yatikinda division	
19.	Udunuwara		<i>Mannar District.</i>			92.	Bintenna division	
20.	Udapalata		55.	Mannar Island Division		93.	Buttala division	
21.	Yatinuwara		56.	Mantai Division		94.	Wellawaya division	
<i>Matale District.</i>			57.	Musali Division		95.	Udukinda division	
22.	Matale South		<i>Mullaitivu District.</i>			96.	Wellassa division	
23.	Matale East		58.	Maritime pattus		97.	Wiyaluwa division	
24.	Matale North		59.	Vavuniya North				
			60.	Vavuniya South		<i>Ratnapura District.</i>		
<i>Nuwara Eliya District.</i>			<i>Batticaloa District.</i>			98.	Kuruwita korale	
25.	Nuwar Eliya Gravets exclusive of Town		61.	Manmunai pattu north		99.	Nawadun korale	
26.	Kotmale		62.	Manmunai pattu south		100.	Atakalan korale	
27.	Uda Hewaheta		63.	Eravur pattu		101.	Kadawata korale	
28.	Walapane		64.	Koralai pattu		102.	Kolonna korale	
<i>Galle District.</i>			65.	Eruvil and Porativu pattus		103.	Kukulu korale	
29.	Four Gravets beyond Municipal limits		66.	Karaiyaku and Nintavur pattus		104.	Meda korale	
30.	Gangaboda pattu		67.	Sammanturai pattu				
31.	Wellaboda pattu		68.	Akkarai pattu		<i>Kegalla District.</i>		
32.	Talpe pattu		69.	Panawa pattu		105.	Paranakuru korale	
33.	Bentota-Walallawiti korale		70.	Bintenna pattu		106.	Beligal korale	
34.	Hinidum pattu		71.	Wewagam pattu		107.	Galboda korale	
			<i>Trincomalee District.</i>			108.	Kinigoda korale	
			72.	Trincomalee Town and Gravets		109.	Dehigampal korale	
			73.	Kaddukulam pattu		110.	Atulugam korale	
			74.	Koddiyar pattu		111.	Panawal korale	
			75.	Tampalakamam pattu		112.	Lower Bulatgama	

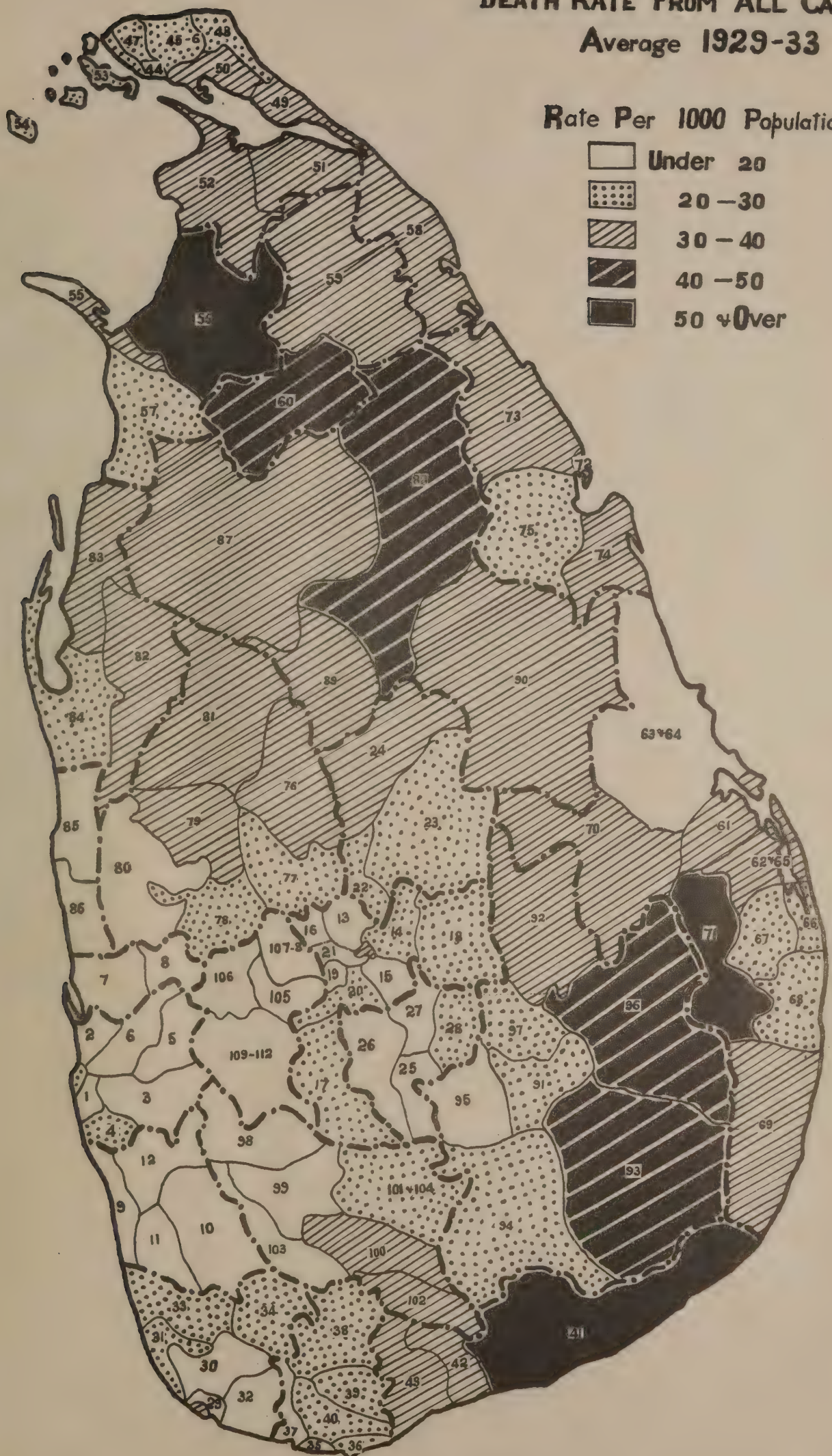
# CEYLON

## DEATH RATE FROM ALL CAUSES

### Average 1929-33

Rate Per 1000 Population

	Under 20
	20 - 30
	30 - 40
	40 - 50
	50 + Over

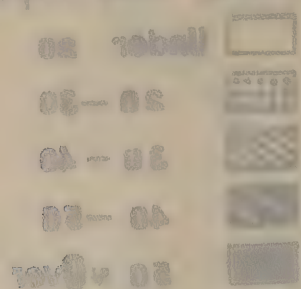


# CEYLON

## DEATH RATE FROM ALL CAUSES

### Average 1929-33

Rate Per 1000 Population

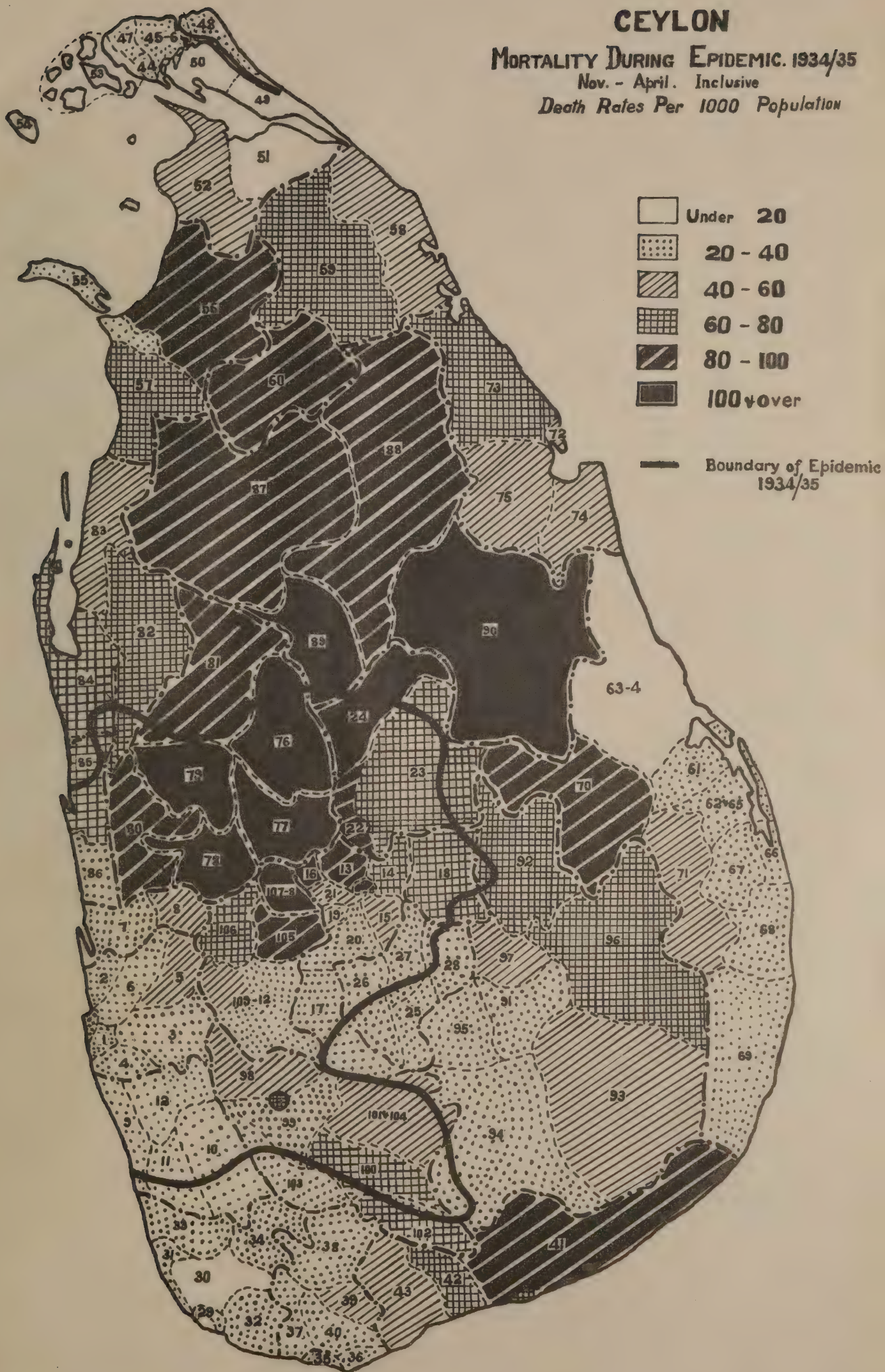




## Key to Numbers Given in Maps 17, 18, and 19.

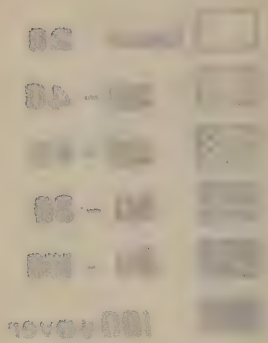
### Chief Headman's Divisions.

<i>Colombo District.</i>			<i>Matara District.</i>			<i>Kurunegala District.</i>		
1.	Colombo Mudaliyar's Division		35.	Four Gravets beyond U. D. C. limits		76.	Hiriyala hatpattu	
2.	Alutkuru korale south		36.	Wellaboda pattu		77.	Weudawili hatpattu	
3.	Hewagam korale		37.	Welligam korale		78.	Dambadeni hatpattu	
4.	Salpiti korale		38.	Morawak korale		79.	Dewameddi hatpattu	
5.	Siyane korale east		39.	Kandaboda pattu		80.	Katugampola hatpattu	
6.	Siyane korale west		40.	Gangaboda pattu		81.	Wanni hatpattu	
<i>Negombo District.</i>			<i>Hambantota District.</i>			<i>Puttalam District.</i>		
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14.	Pata Dumbara		51.	Karachchi		90.	Tamankaduwa palata	
15.	Pata Hewaheta		52.	Punakari-Tunukkai				
16.	Tumpane		53.	Islands				
17.	Uda Bulatgama		54.	Delft		<i>Badulla District.</i>		
18.	Uda Dumbara					91.	Yatikinda division	
19.	Udunuwara		55.	Mannar Island Division		92.	Bintenna division	
20.	Udawalata		56.	Mantai Division		93.	Buttala division	
21.	Yatinuwara		57.	Musal Division		94.	Wellawaya division	
						95.	Udukinda division	
<i>Matale District.</i>			<i>Mullaitivu District.</i>			96.	Wellassa division	
22.	Matale South		58.	Maritime pattus		97.	Wiyaluwa division	
23.	Matale East		59.	Vavuniya North				
24.	Matale North		60.	Vavuniya South		<i>Ratnapura District.</i>		
						98.	Kuruwita korale	
<i>Nuwara Eliya District.</i>			<i>Batticaloa District.</i>			99.	Nawadun korale	
25.	Nuwara Eliya Gravets exclusive of Town		61.	Manmunai pattu north		100.	Atakalan korale	
26.	Kotmale		62.	Manmunai pattu south		101.	Kadawata korale	
27.	Uda Hewaheta		63.	Eravur pattu		102.	Kolonna korale	
28.	Walapane		64.	Koralai pattu		103.	Kukulu korale	
			65.	Eruvil and Porativu pattus		104.	Meda korale	
			66.	Karaivaku and Nintavur pattus				
<i>Galle District.</i>			67.	Sammanturai pattu		<i>Kegalla District.</i>		
29.	Four Gravets beyond Municipal limits		68.	Akkarai pattu		105.	Paranakuru korale	
30.	Gangaboda pattu		69.	Panawa pattu		106.	Beligal korale	
31.	Wellaboda pattu		70.	Bintenna pattu		107.	Galboda korale	
32.	Talpe pattu		71.	Wewagam pattu		108.	Kinigoda korale	
33.	Bentota-Walallawiti korale					109.	Dehigampal korale	
34.	Hinidum pattu		<i>Trincomalee District.</i>			110.	Atuhugam korale	
			72.	Trincomalee Town and Gravets		111.	Panawal korale	
			73.	Kaddukulam pattu		112.	Lower Bulatgama	
			74.	Koddiyar pattu				
			75.	Tampalakamam pattu				



# CEYLON

Mortality During Epidemic 1932/33  
Nov. - April, inclusive  
Death Rates Per 1000 Population



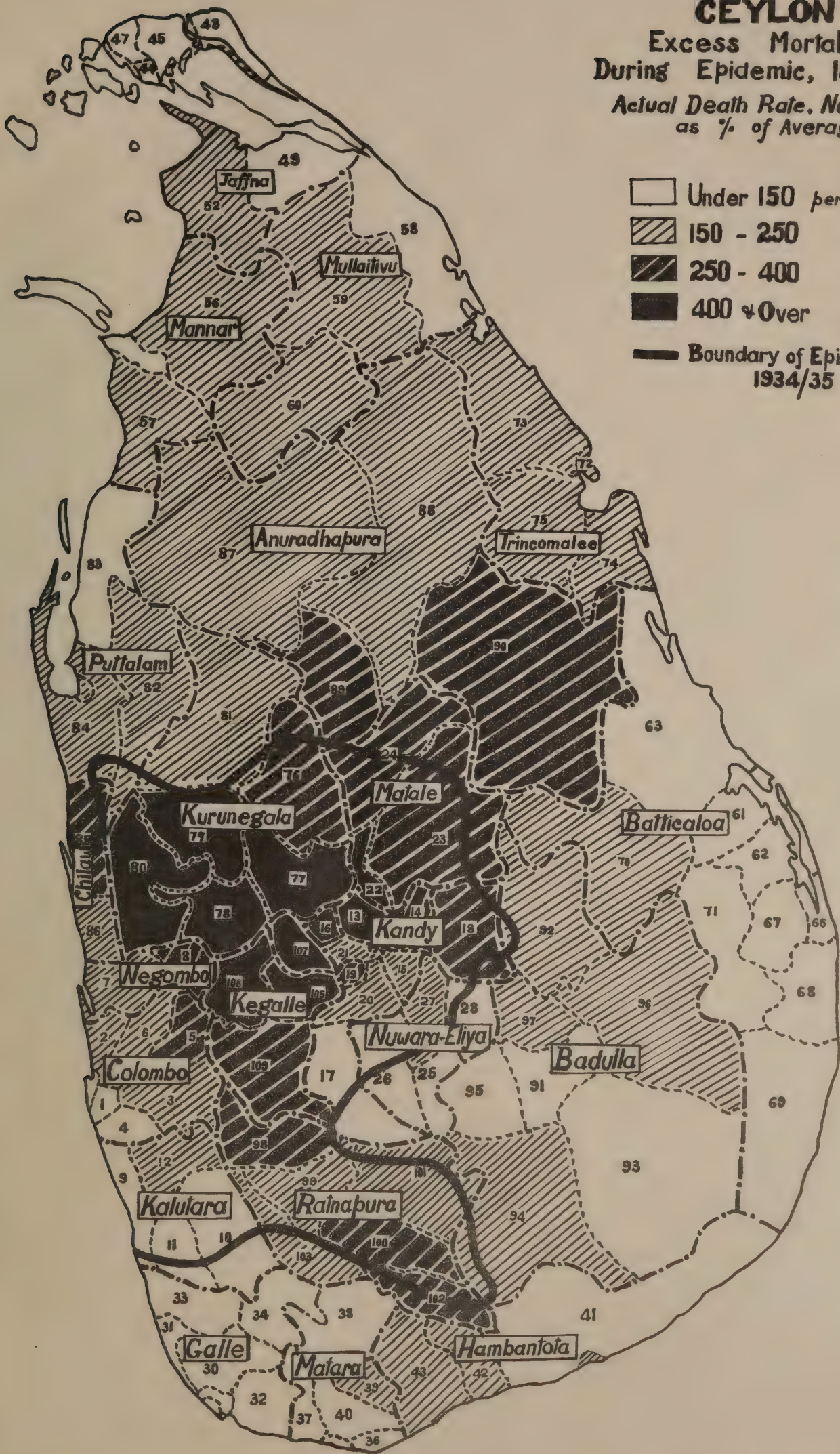
Death District  
 100 or over beyond Municipal limits  
 75 - 100  
 50 - 75  
 25 - 50  
 10 - 25  
 5 - 10  
 2 - 5  
 0 - 2



## Key to Numbers Given in Maps 17, 18, and 19.

### Chief Headman's Divisions.

<i>Colombo District.</i>			<i>Matara District.</i>			<i>Kurunegala District.</i>		
1.	Colombo Mudaliyar's Division		35.	Four Gravets beyond U. D. C. limits		76.	Hiriyala hatpattu	
2.	Alutkuru korale south		36.	Wellaboda pattu		77.	Weudawili hatpattu	
3.	Hewagam korale		37.	Welligam korale		78.	Dambadeni hatpattu	
4.	Salpiti korale		38.	Morawak korale		79.	Dewamedi hatpattu	
5.	Siyane korale east		39.	Kandaboda pattu		80.	Katugampola hatpattu	
6.	Siyane korale west		40.	Gangaboda pattu		81.	Wanni hatpattu	
<i>Negombo District.</i>			<i>Hambantota District.</i>			<i>Puttalam District.</i>		
7.	Alutkuru korale north		41.	Magam pattu		82.	Demala hatpattu	
8.	Hapitigam korale		42.	Giruwa pattu east		83.	Kalpitiya division	
			43.	Giruwa pattu west		84.	Puttalam pattu division	
<i>Kalutara District.</i>			<i>Jaffna District.</i>			<i>Chilaw District.</i>		
9.	Kalutara and Panadure totamune		44.	Jaffna Division		85.	Pitigal korale north	
10.	Pasdun korale east		45.	Valikamam East		86.	Pitigal korale south	
11.	Pasdun korale west		46.	Valikamam North				
12.	Raigam korale		47.	Valikamam West		<i>Anuradhapura District.</i>		
			48.	Vadamaradchi		87.	Nuwaragam palata	
<i>Kandy District.</i>			49.	Pachchilaipallai		88.	Hurulu palata	
13.	Harispattu		50.	Tenmaradchi		89.	Kalagam palata	
14.	Pata Dumbara		51.	Karachchi		90.	Tamankaduwa palata	
15.	Pata Hewaheta		52.	Punakari-Tunukkai				
16.	Tumpane		53.	Islands		<i>Badulla District.</i>		
17.	Uda Bulatgama		54.	Delft		91.	Yatikinda division	
18.	Uda Dumbara					92.	Bintenna division	
19.	Udunuwara		55.	Mannar Island Division		93.	Buttala division	
20.	Udupalata		56.	Mantai Division		94.	Wellawaya division	
21.	Yatinuwara		57.	Musali Division		95.	Udukinda division	
						96.	Wellassa division	
						97.	Wiyaluwa division	
<i>Matale District.</i>			<i>Mullaitivu District.</i>			<i>Ratnapura District.</i>		
22.	Matale South		58.	Maritime pattus		98.	Kuruwita korale	
23.	Matale East		59.	Vavuniya North		99.	Nawadun korale	
24.	Matale North		60.	Vavuniya South		100.	Atakalan korale	
<i>Nuwara Eliya District.</i>			<i>Batticaloa District.</i>			101.	Kadawata korale	
25.	Nuwara Eliya Gravets exclusive of Town		61.	Manmunai pattu north		102.	Kolonna korale	
26.	Kotmale		62.	Manmunai pattu south		103.	Kukulu korale	
27.	Uda Hewaheta		63.	Eravur pattu		104.	Meda korale	
28.	Walapane		64.	Koralai pattu				
			65.	Eruvil and Porativu pattus		<i>Kegalla District.</i>		
			66.	Karaiyaku and Nintavur pattus		105.	Paranakuru korale	
			67.	Sammanturai pattu		106.	Belligal korale	
			68.	Akkarai pattu		107.	Kingoda korale	
			69.	Panawa pattu		108.	Dehigampal korale	
			70.	Bintenna pattu		109.	Atulugam korale	
			71.	Wewagam pattu		110.	Panawal korale	
						111.	Lower Bulatgama	
<i>Galle District.</i>			<i>Trincomalee District.</i>					
29.	Four Gravets beyond Municipal limits		72.	Trincomalee Town and Gravets				
30.	Gangaboda pattu		73.	Kaddukulam pattu				
31.	Wellaboda pattu		74.	Koddiyar pattu				
32.	Talpe pattu		75.	Tampalakamam pattu				
33.	Bentota-Walallawiti korale							
34.	Hinidum pattu							



# CEYLON

Excess Mortality  
During Epidemic, 1934/35  
Actual Death Rate. Nov. - Apr.  
as % of Average

- Under 150 per cent
- 150 - 250 "
- 250 - 400 "
- 400 & Over "
- Boundary of Epidemic 1934/35

# CEYLON

Excess Mortality  
During Epidemic, 1934/35  
Actual Death Rate. Nov - Jan  
as % of Average

- Under 150 per cent
- 150 - 250
- 250 - 400
- 400 & Over
- Boundary of Epidemic



Public Health Department  
Ceylon

# MALARIA EPIDEMIC 1934-35.

## Permanent & Temporary Medical Institutions



# MALARIA EPIDEMIC

## Permanent & Temporary Medicine



chart 1a

# SEASONAL CURVES OF MORBIDITY (Dec.-Jan. Peak) & MORTALITY

Based on Average Attendances at Institutions 1927-34, &  
Average Deaths for Five Years 1927-33 (1929, 30 omitted)

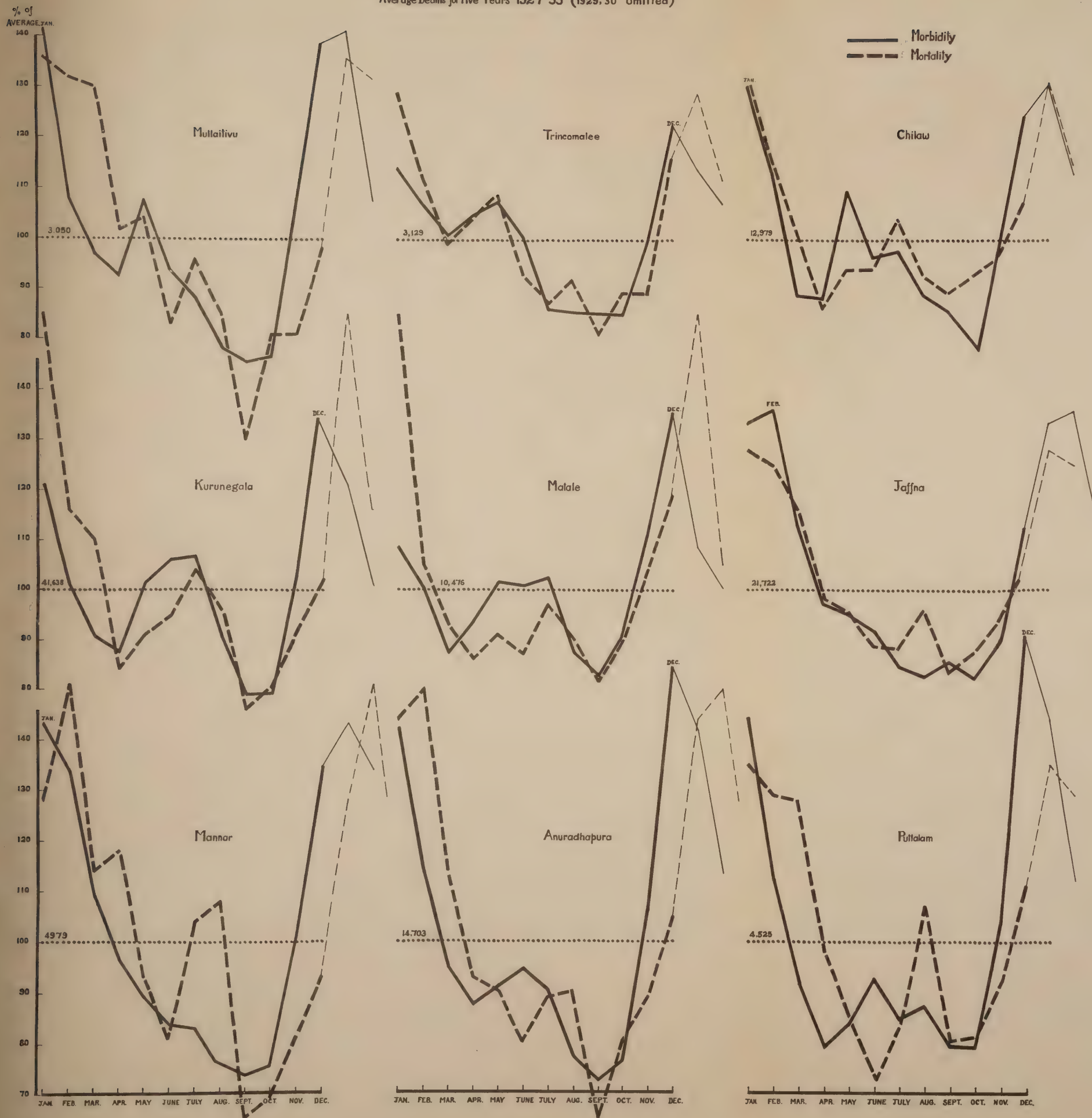




chart 1b

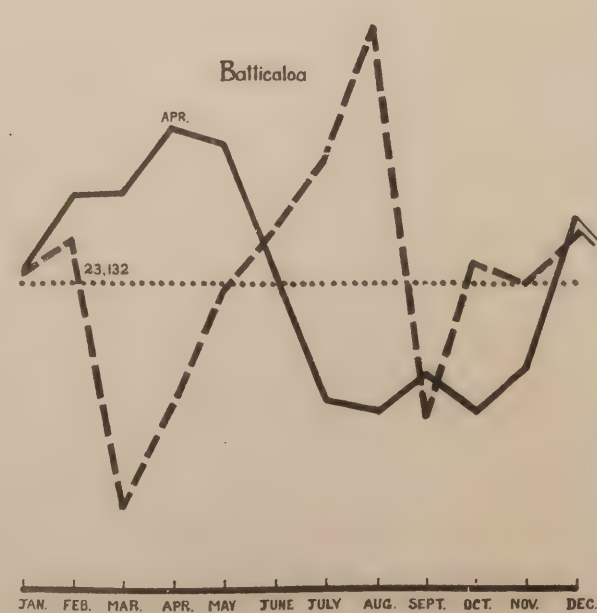
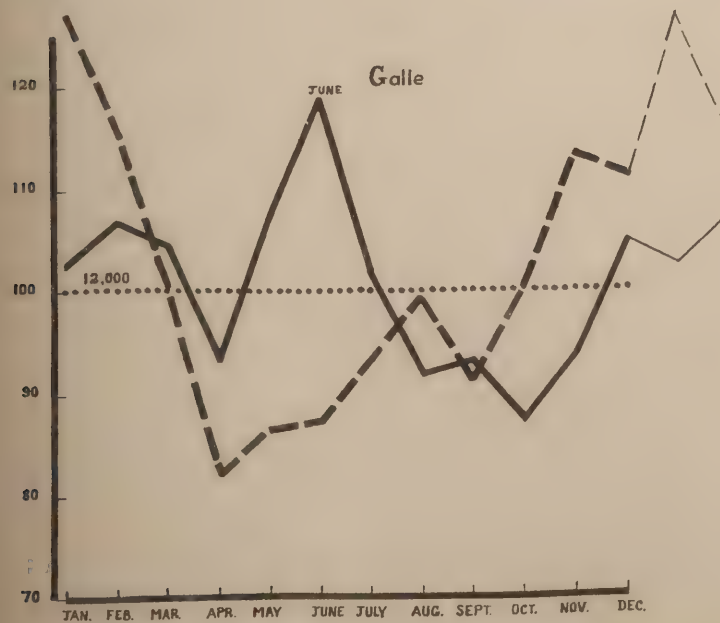
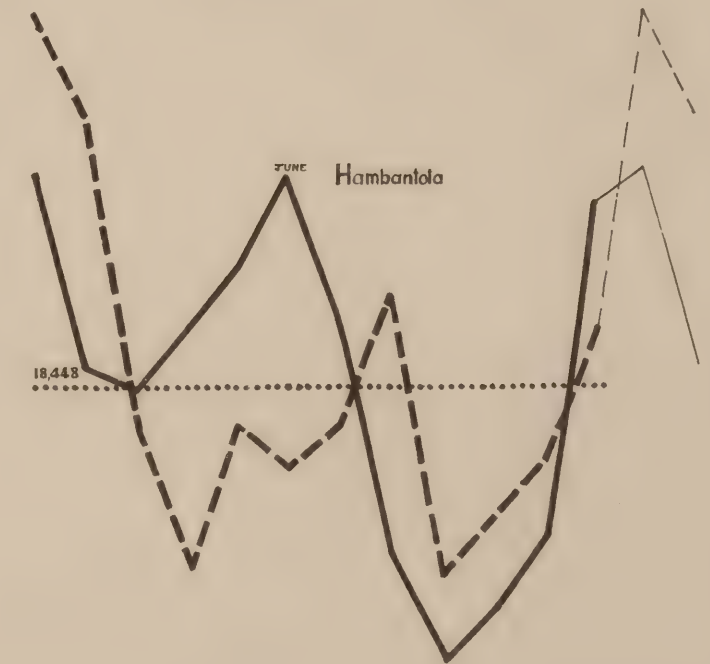
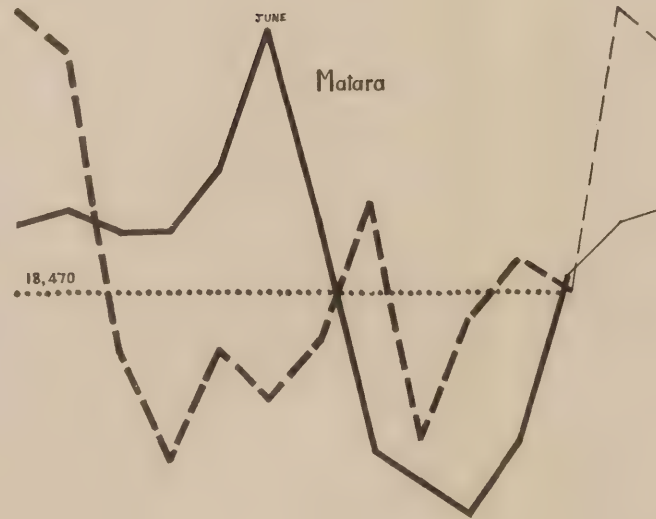
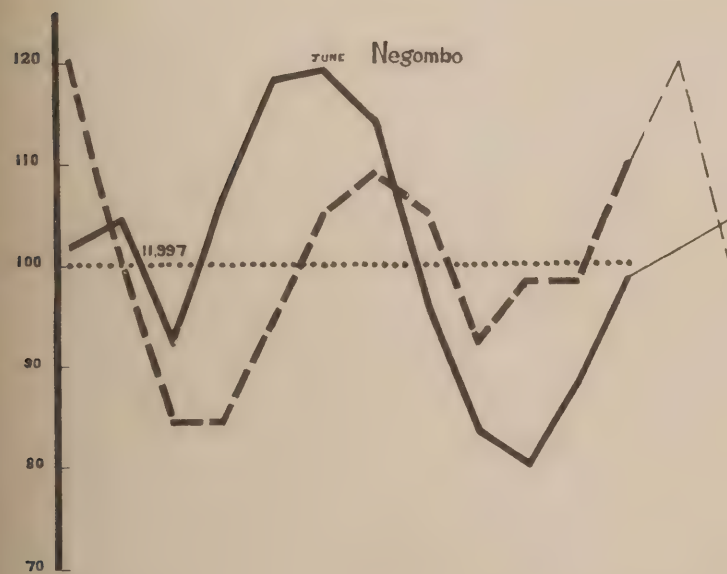
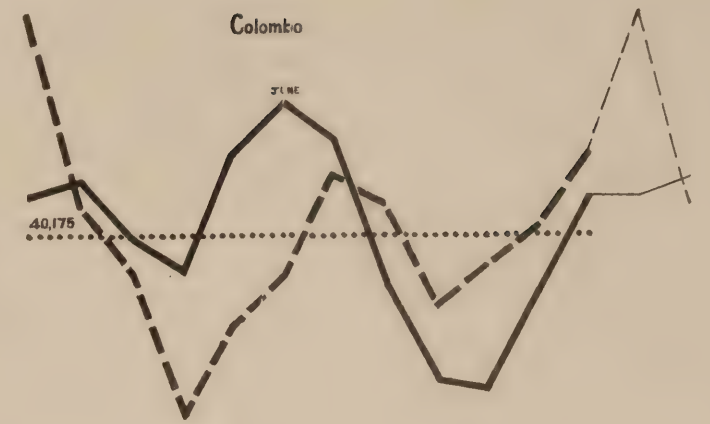
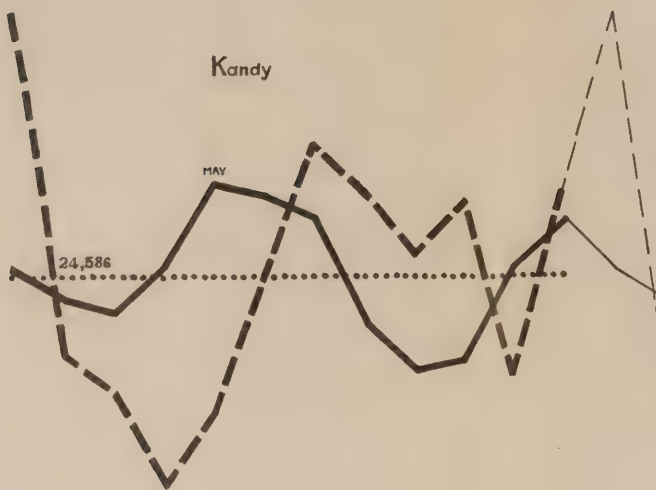
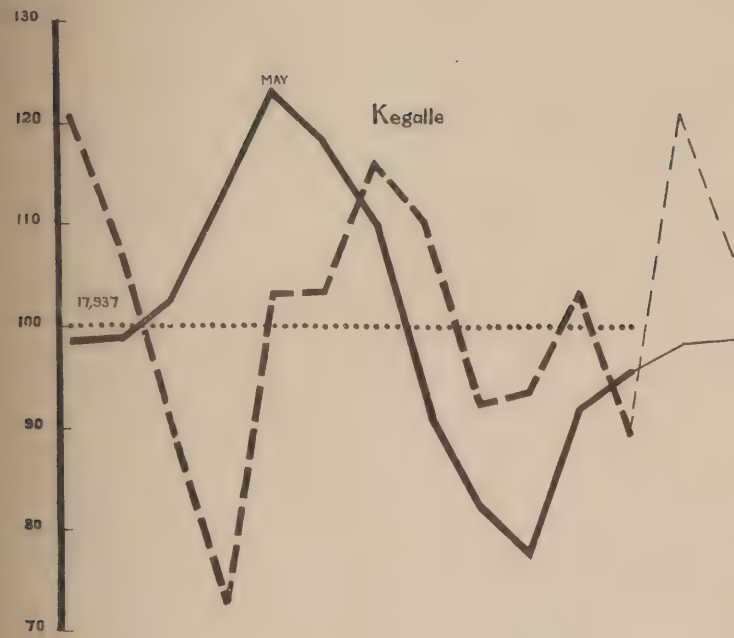
SEASONAL CURVES OF MORBIDITY, (May-June Peak) & MORTALITY.

Based on Average Attendances at Institutions 1927-34, &

Average Deaths for Five Years 1927-33 (1929,30 omitted)

% of  
AVERAGE

— Morbidity  
- - Mortality



JAN. FEB. MAR. APR. MAY JUNE JULY AUG. SEPT. OCT. NOV. DEC.

SEASONAL CURVES OF MORBIDITY (1913-1914)  
Based on Average Attendance at Institutions for  
Average Deaths for Five Years (1913-1917) only

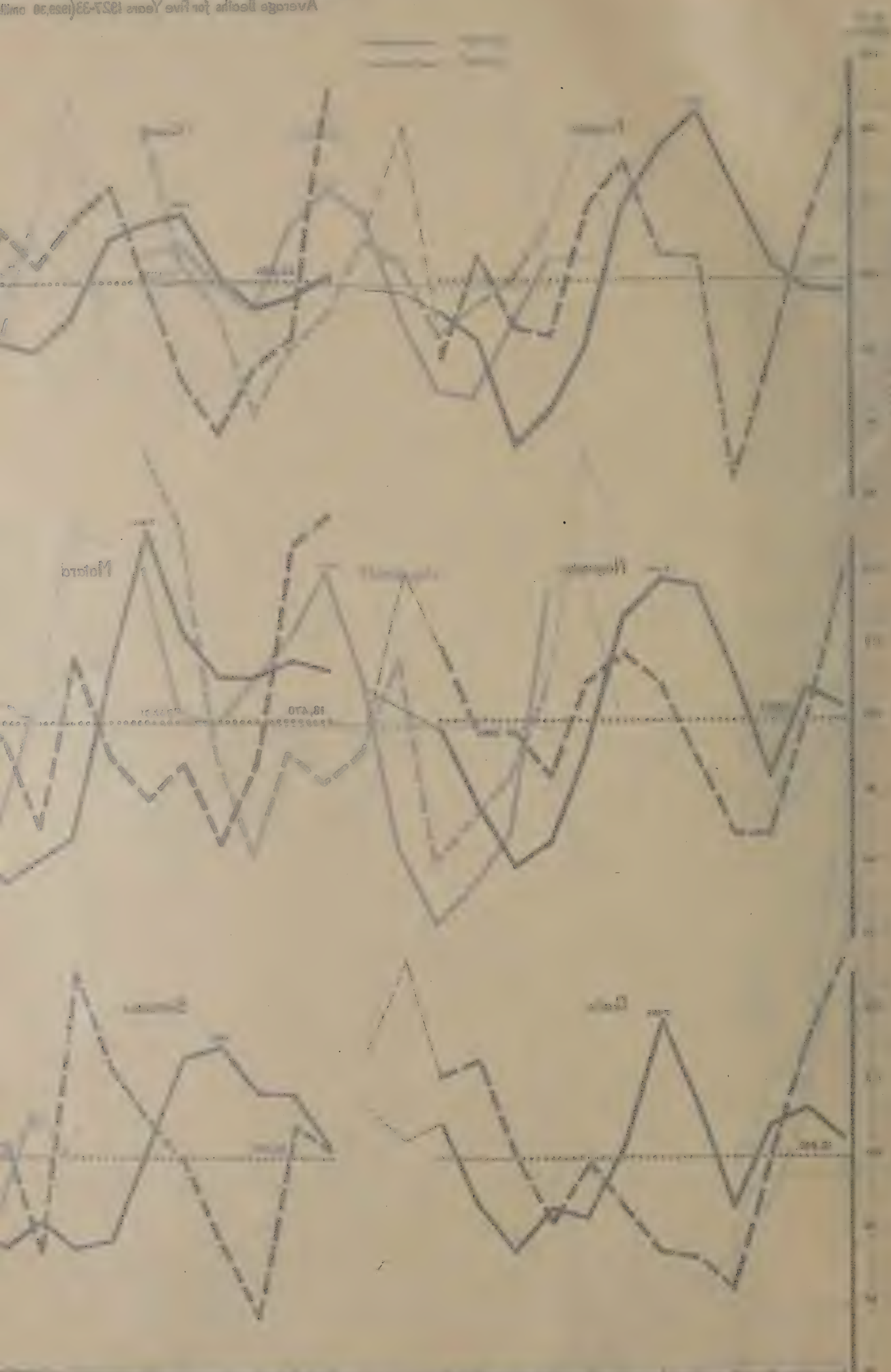
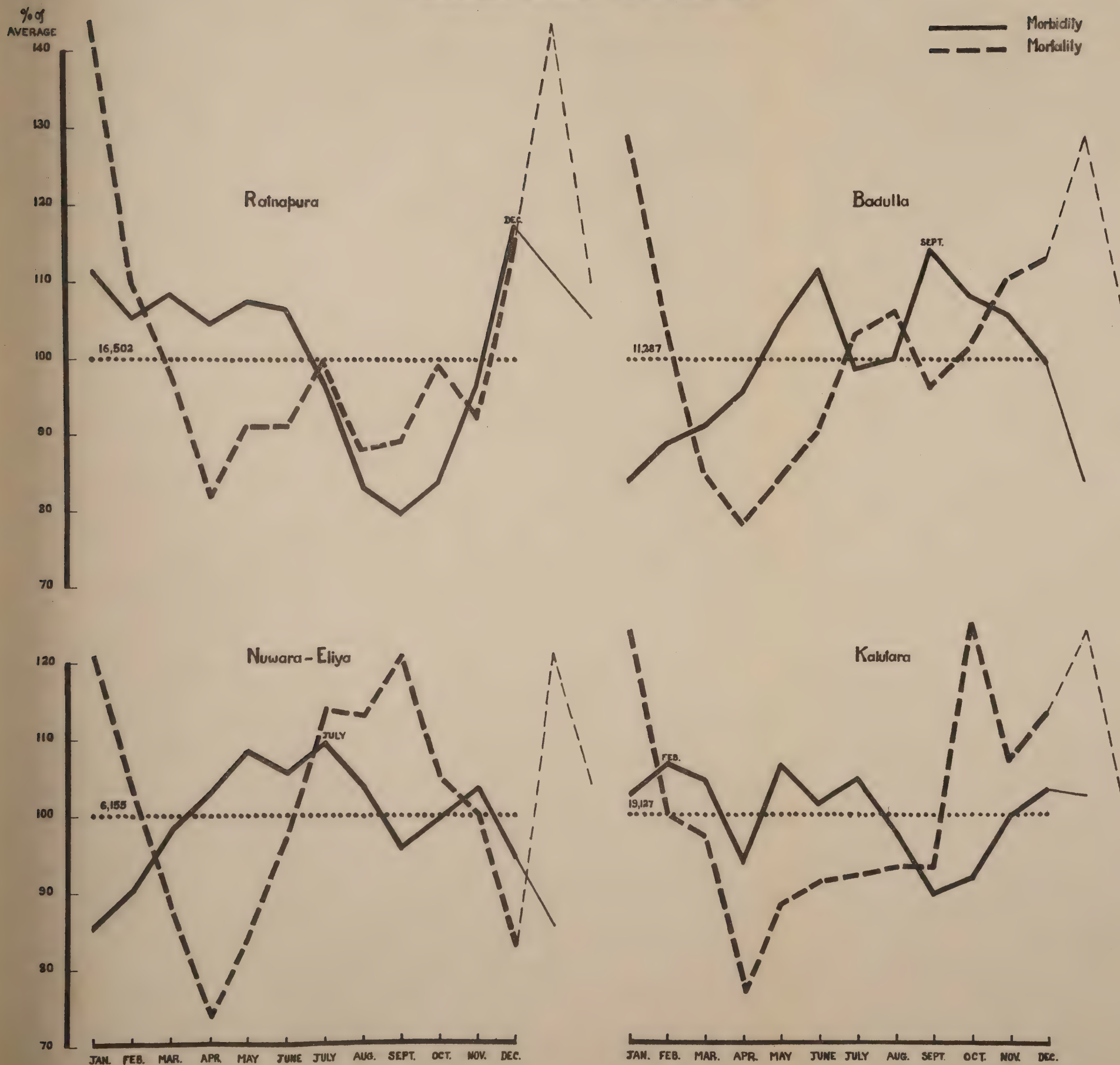


chart 1c

# SEASONAL CURVES OF MORBIDITY (Exceptions) & MORTALITY

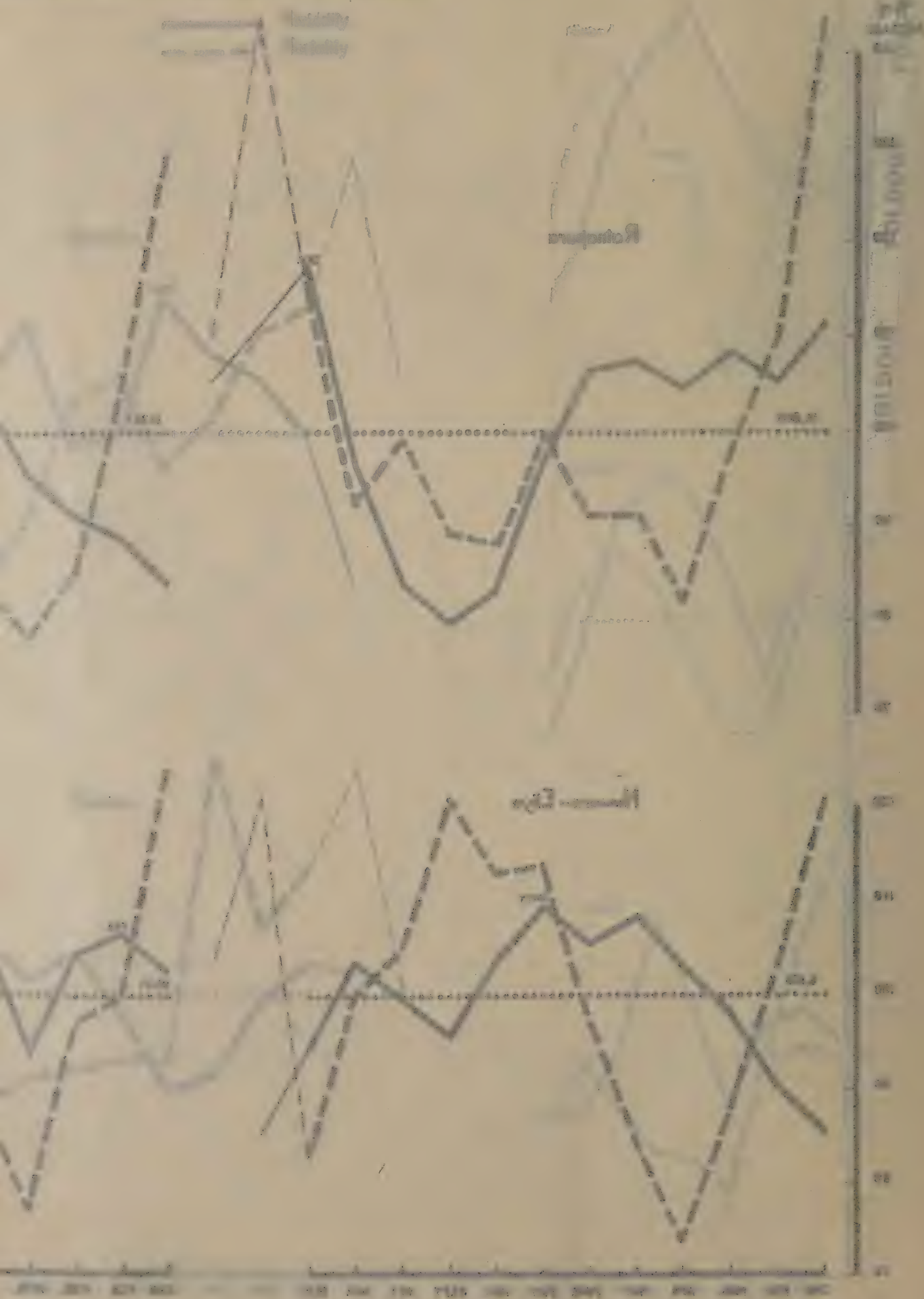
Based on Average Attendances at Institutions 1927-34, &

Average Deaths for Five Years 1927-33 (1929, 30 omitted)



SEASONAL CURVES OF MORTALITY (Continued) - 1927-30  
 Based on Average Attendance at Institutions 1927-30  
 Average Deaths for Five Years 1927-31 (1929, 30 omitted)

Chart 1c



# chart 2

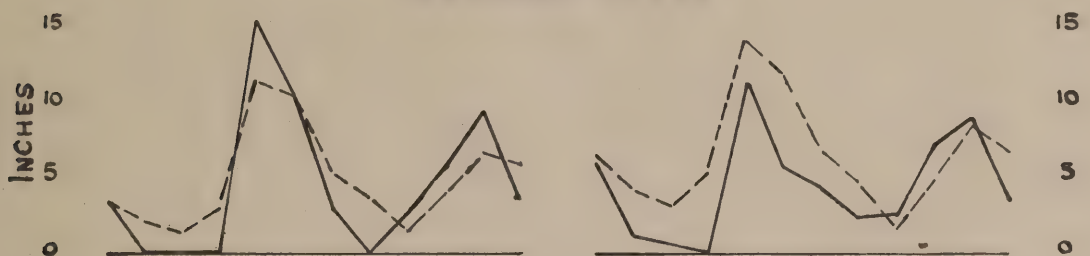
MONTHLY RAINFALLS DURING JUNE 1934 - MAY 1935 AND AVERAGE  
RAINFALLS IN THE CATCHMENTS OF THE EPIDEMIC AREA.

LOWER CATCHMENT

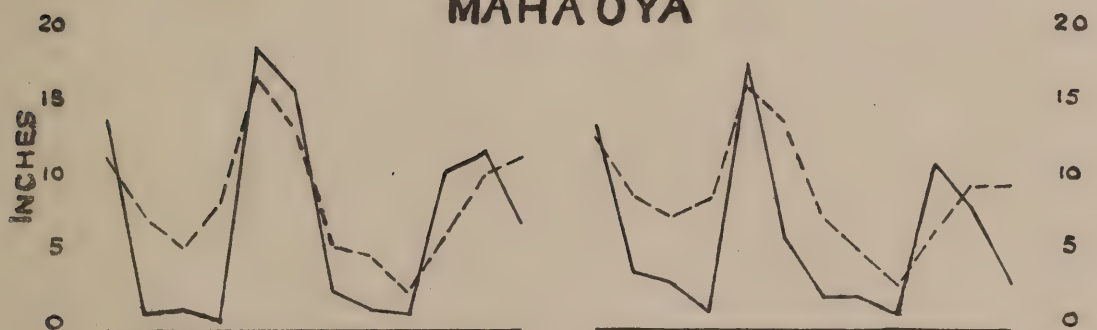
UPPER CATCHMENT

J J A S O N D J F M A M J J A S O N D J F M A M  
← 1934 → ← 1935 → ← 1934 → ← 1935 →

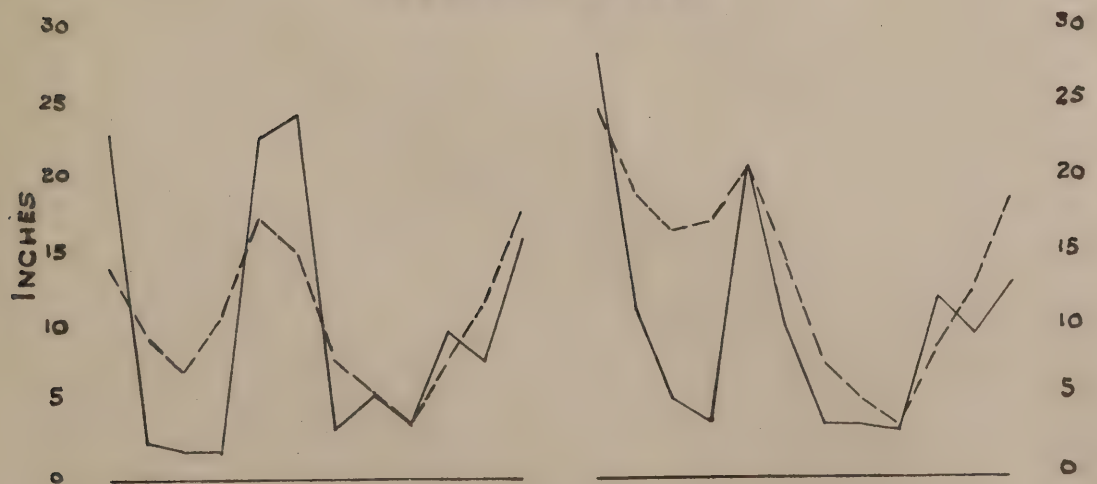
## DEDURU OYA



## MAHA OYA



## KELANI GANGA



1934 & 1935 RAINFALL ———  
AVERAGE -do- - - - -

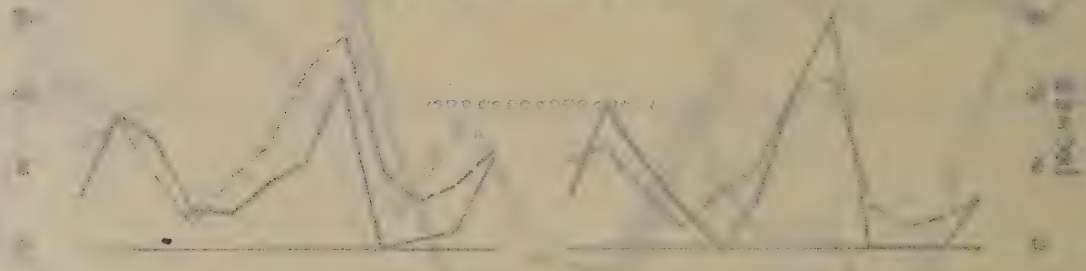
# Chart 2

MONTHLY RAINFALL DURING JUNE 1934 - MAY 1935 AND AVERAGE  
 RAINFALLS IN THE CATCHMENTS OF THE EPIDEMIC AREA.

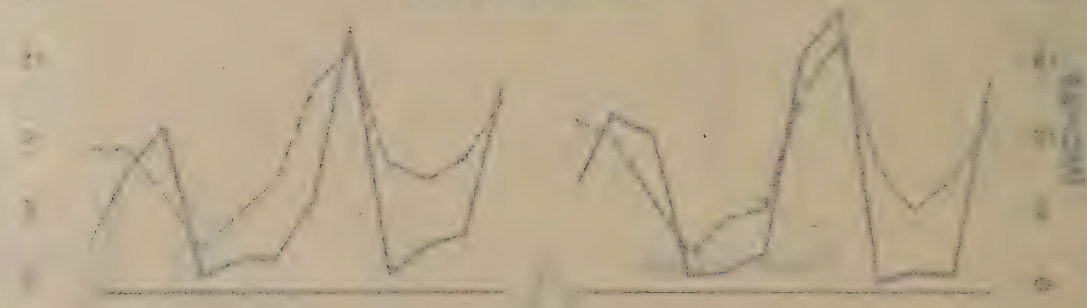
LOWER CATCHMENT UPPER CATCHMENT

ALL INDIA AVERAGE 1934-1935 1935-1936

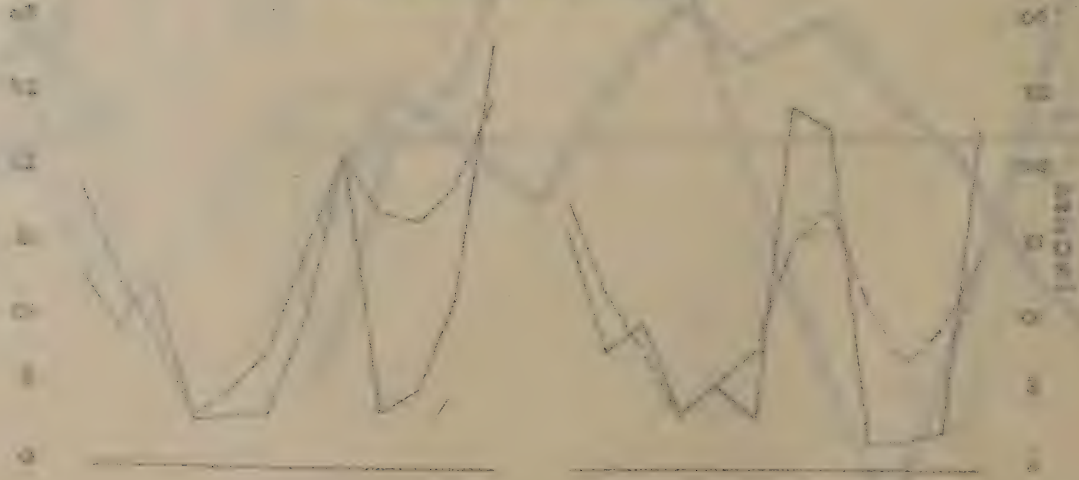
## DEBUNDA GYA



## MAHA GYA



## KELANI GANGA



INDIAN RAINFALL AVERAGE

CEYLON  
ANNUAL EXPORTS  
of  
TEA, RUBBER & COCONUT

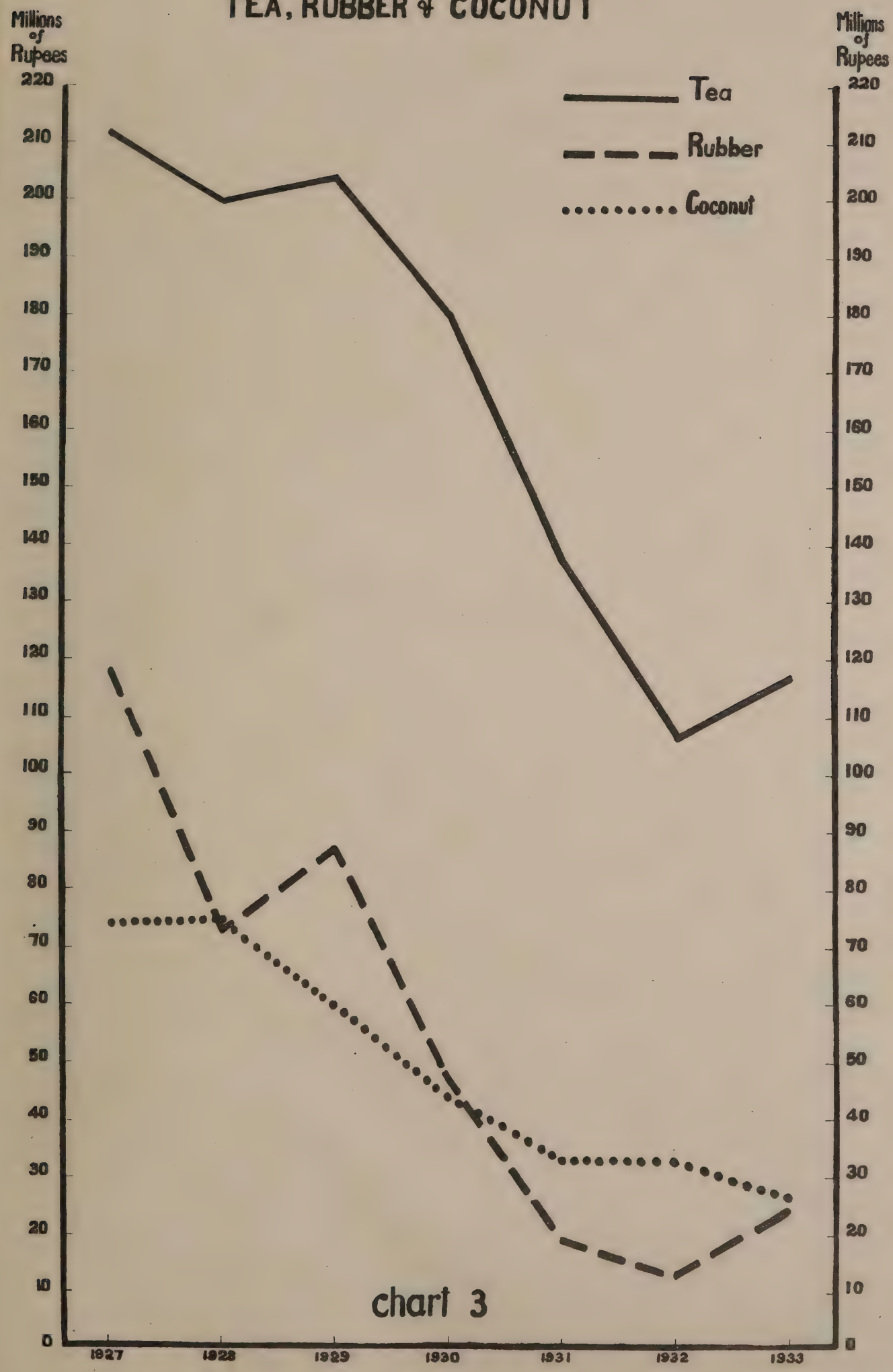
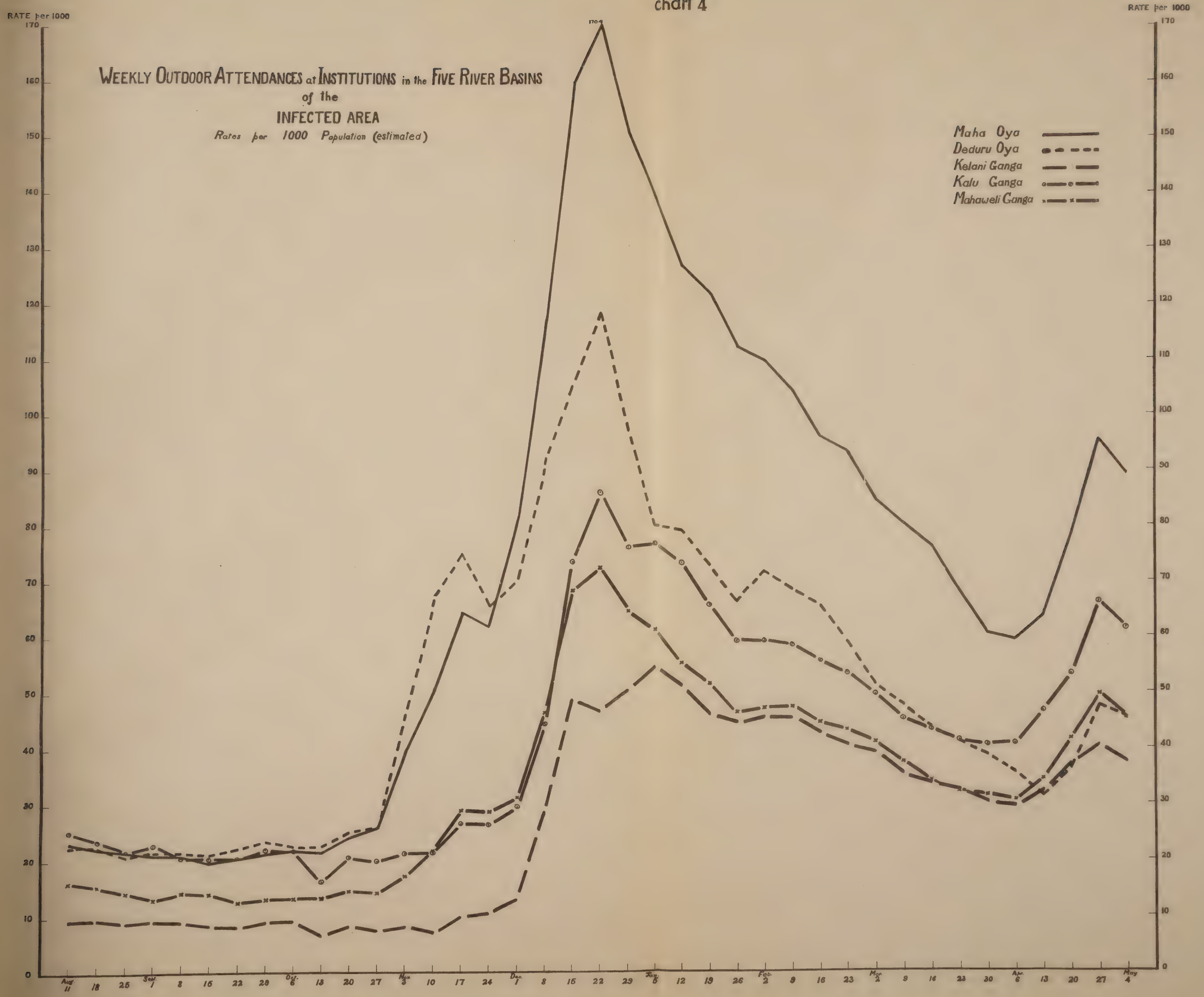


chart 3

# CEYLON ANNUAL EXPORTS of TEA, RUBBER & COCONUT



chart 4



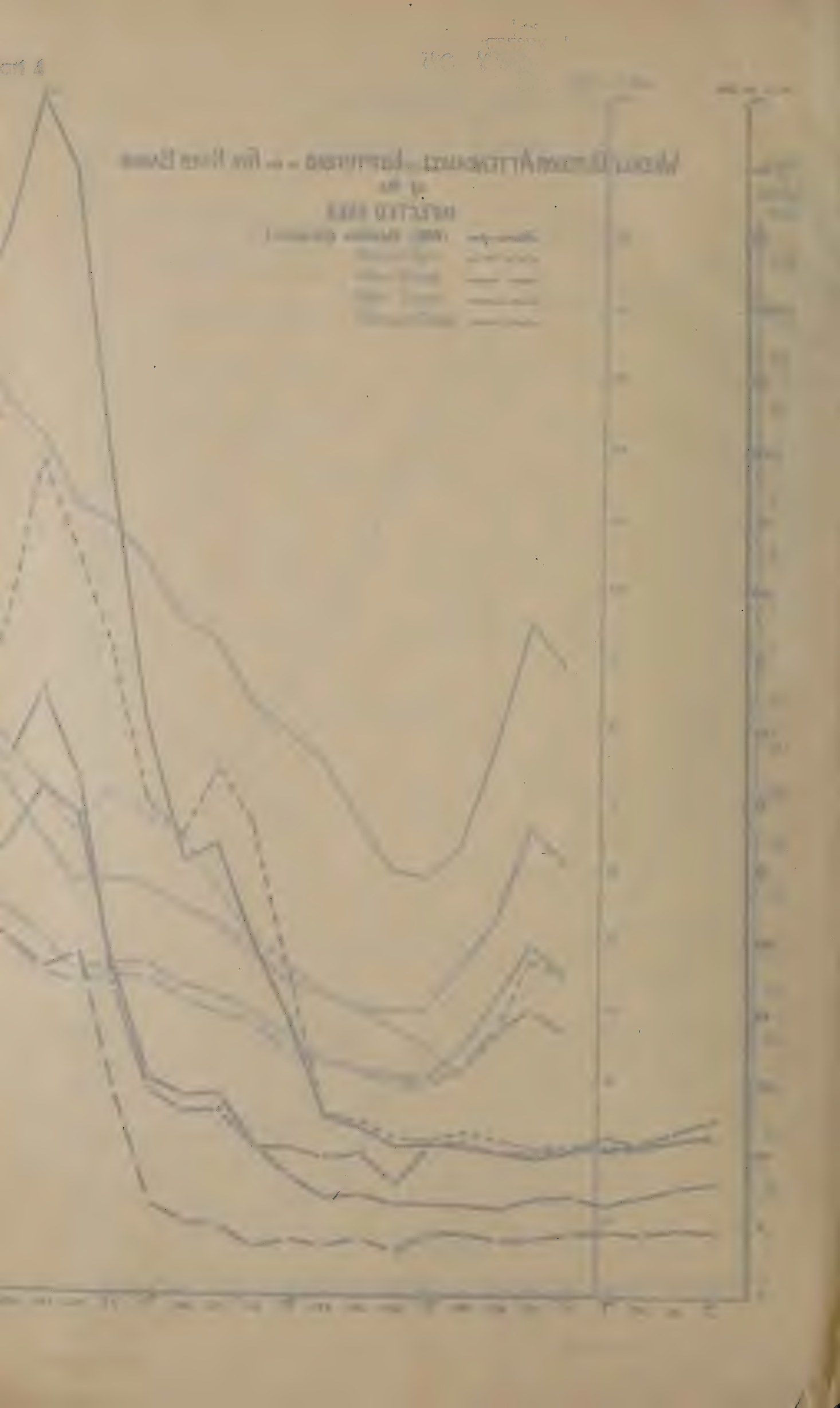
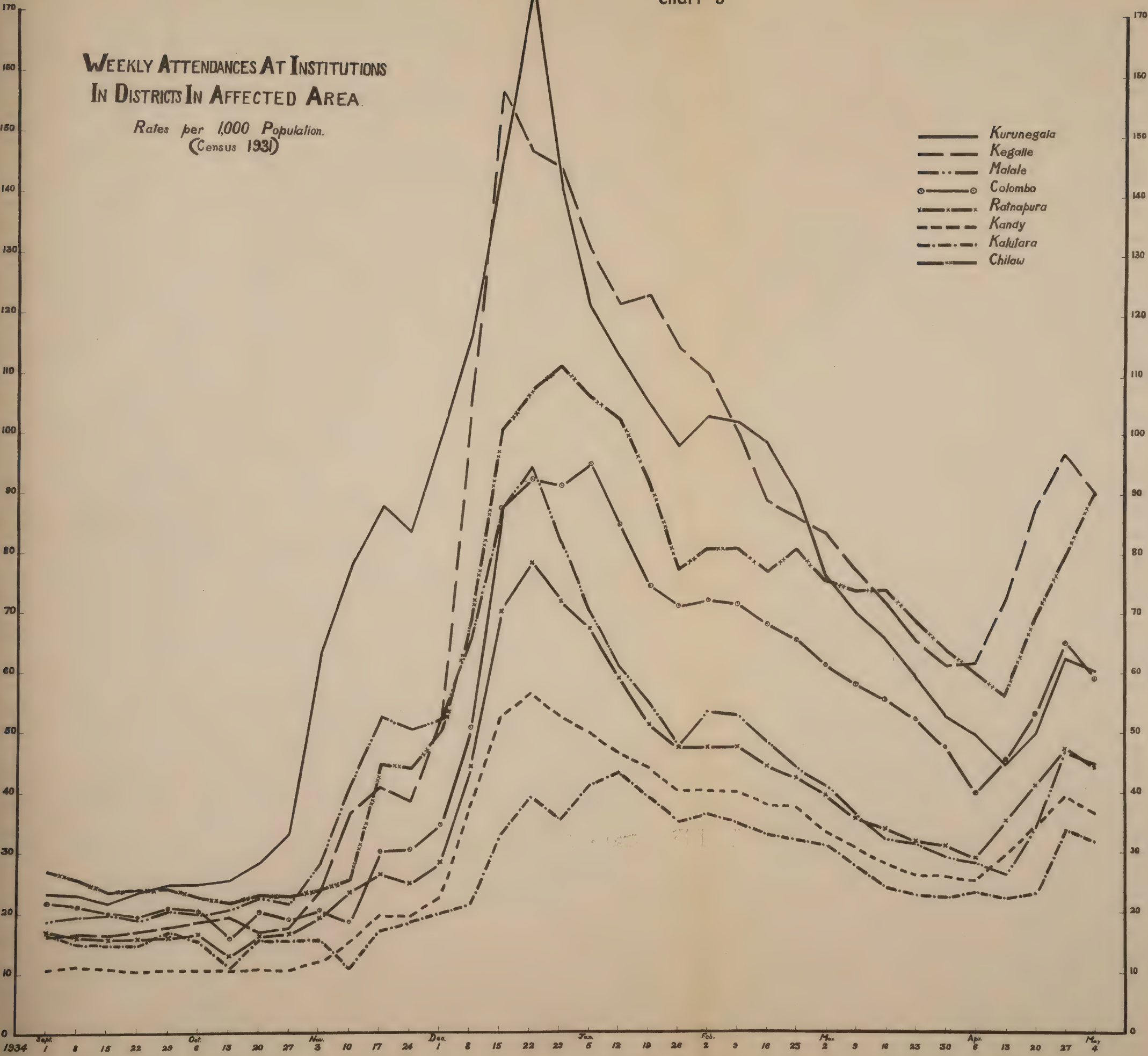


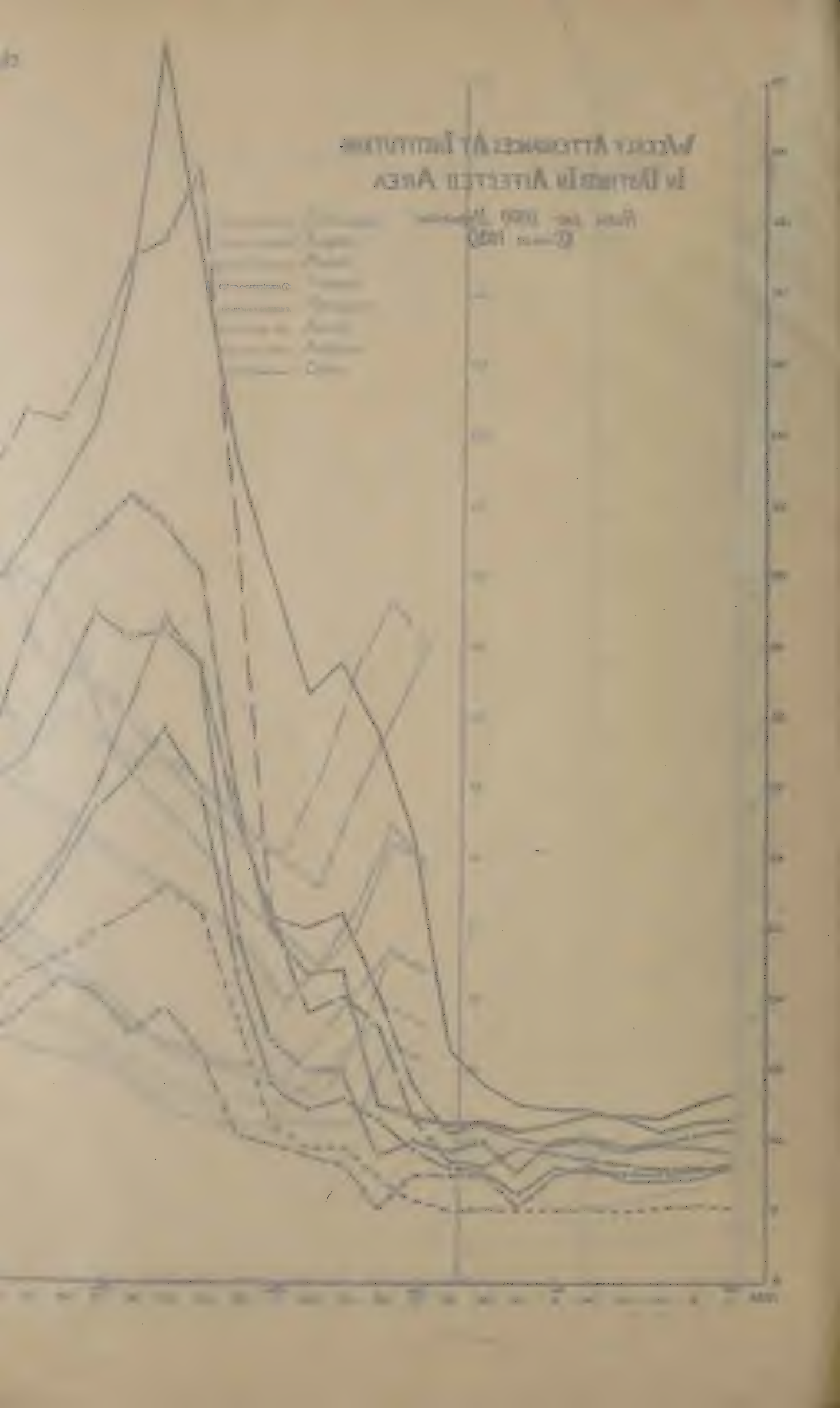
chart 5

**WEEKLY ATTENDANCES AT INSTITUTIONS  
IN DISTRICTS IN AFFECTED AREA.**

*Rates per 1,000 Population.  
(Census 1931)*

- Kurunegala
- Kegalle
- ... Matale
- Colombo
- x Ratnapura
- - - Kandy
- . - . Kalutara
- - - Chilaw





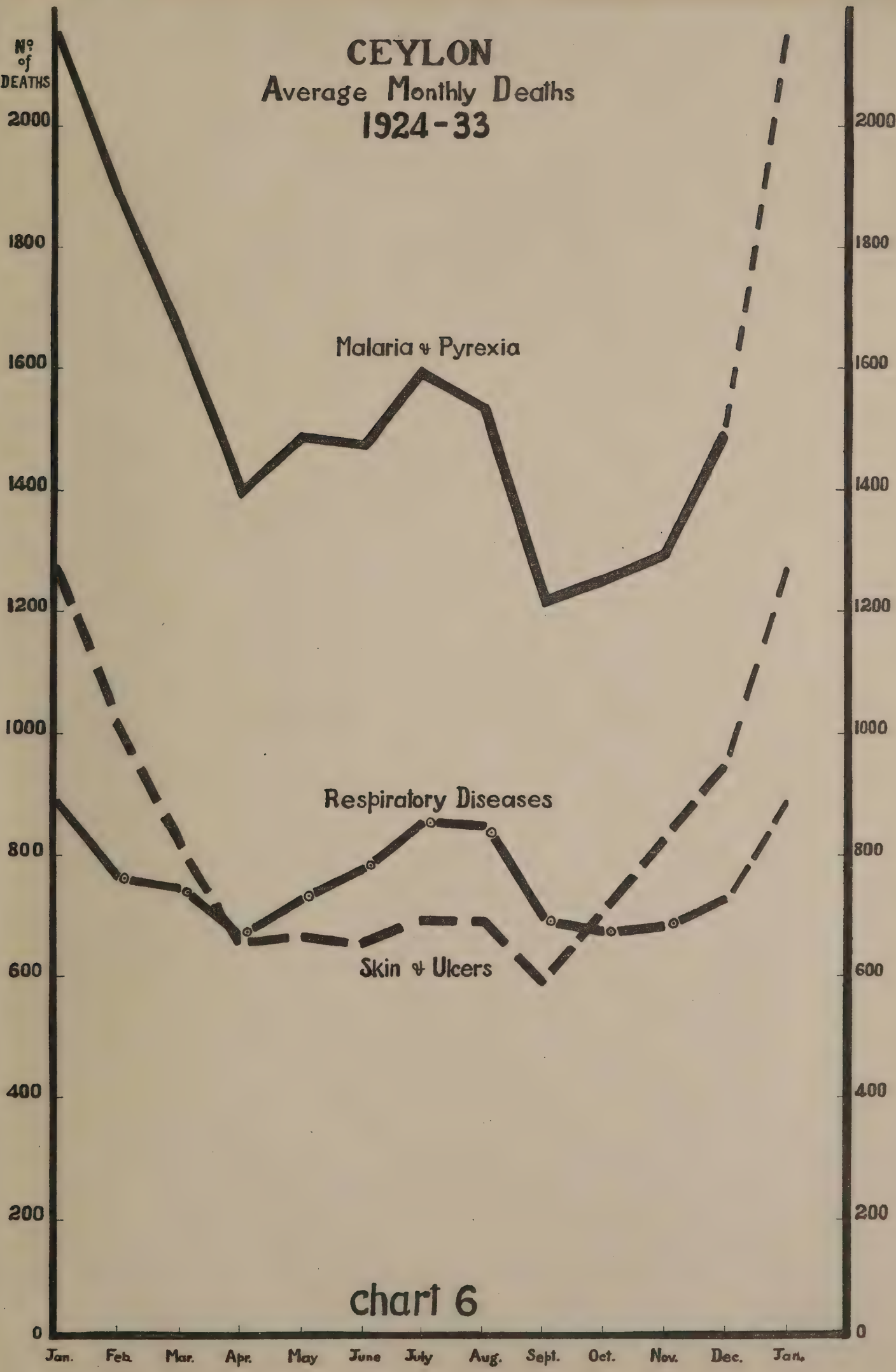


chart 6

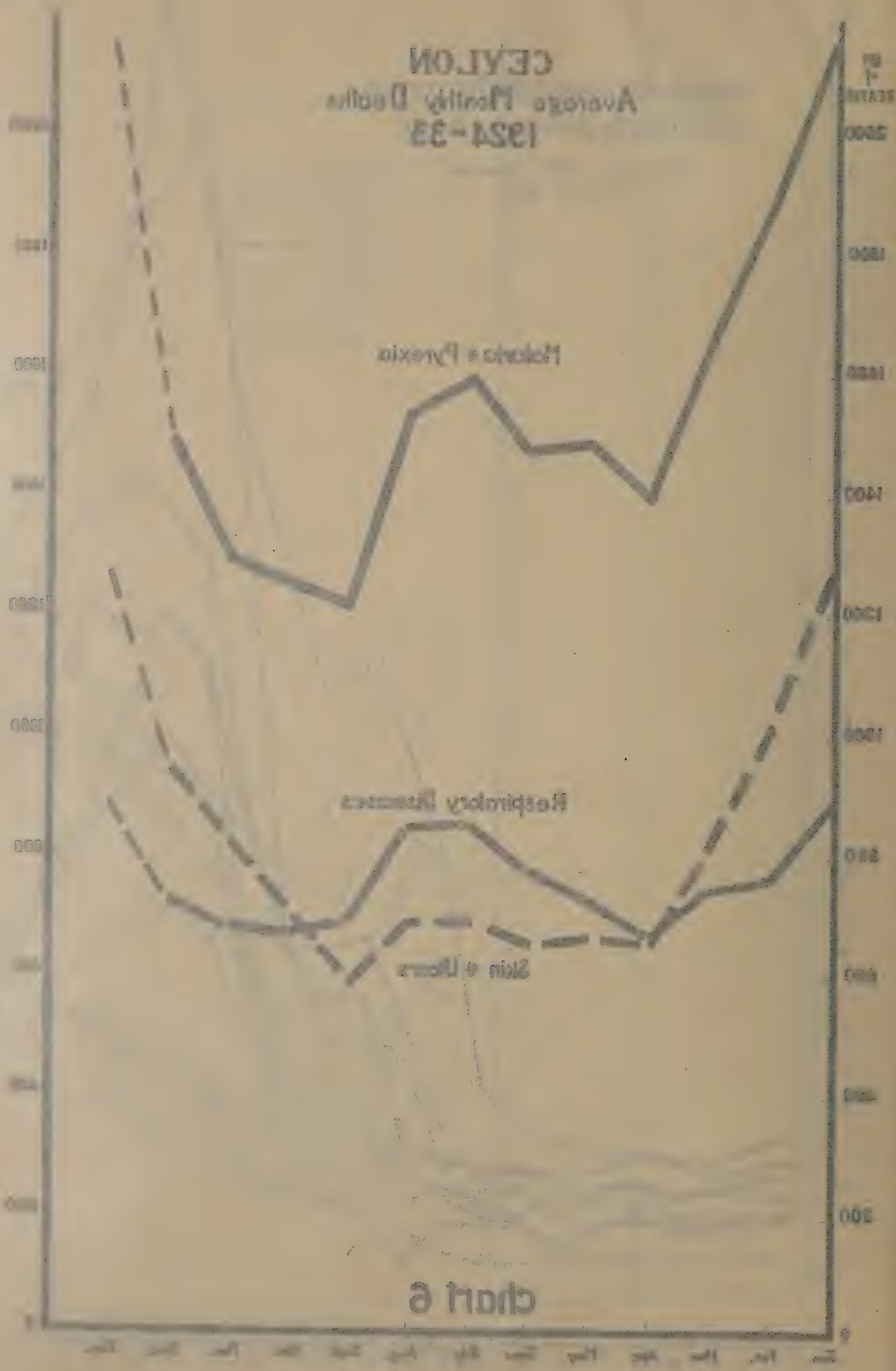
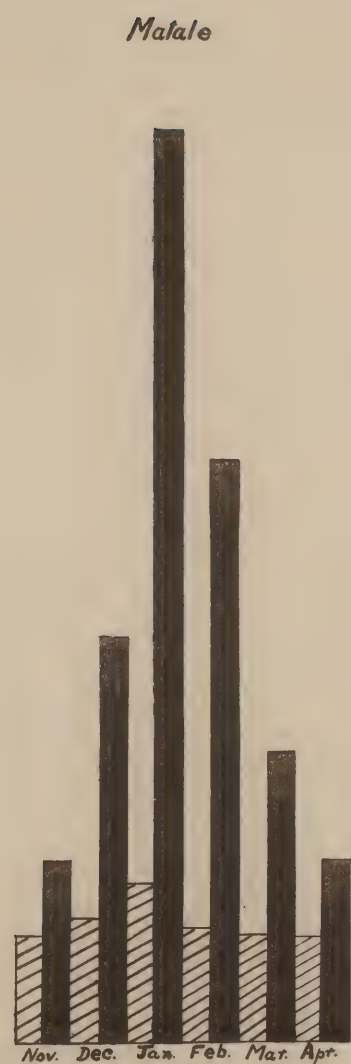
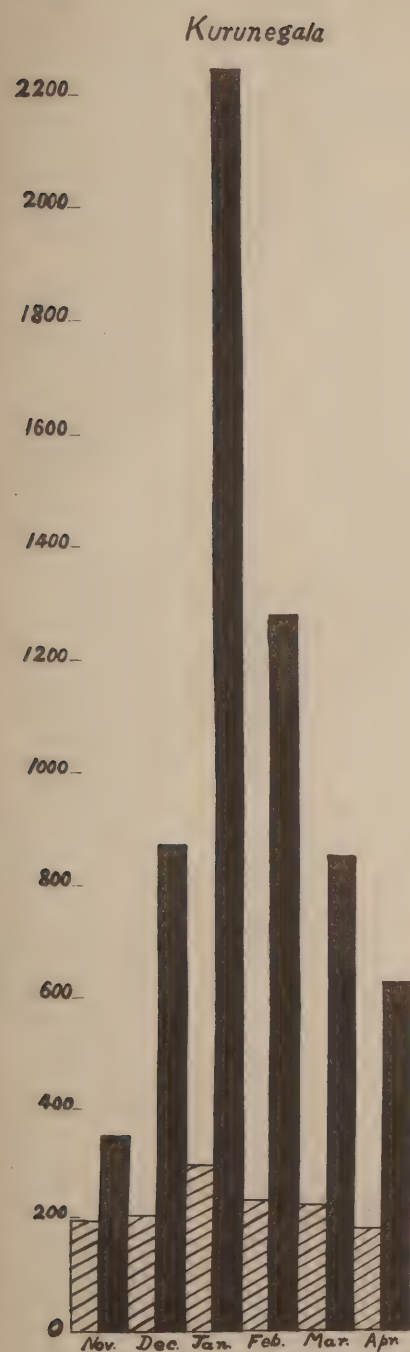


Chart 6

RATES PER  
100,000 POP.  
2400-

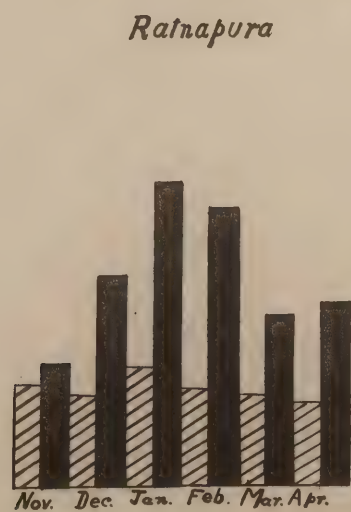
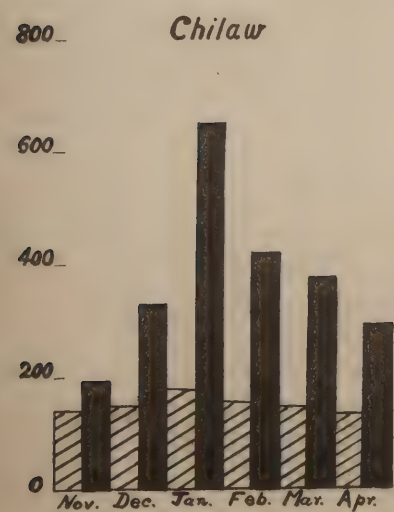
chart 7 a

DISTRICTS IN AFFECTED AREA  
**MORTALITY RATES DURING MONTHS OF EPIDEMIC.**  
Monthly Rates Per 100,000 Population.



Mean Death Rate  
1930/34

Death Rate  
During  
Epidemic



# NORTHERN DISTRICTS IN AFFE

Monthly Rates Per 100

100,000 TON  
245

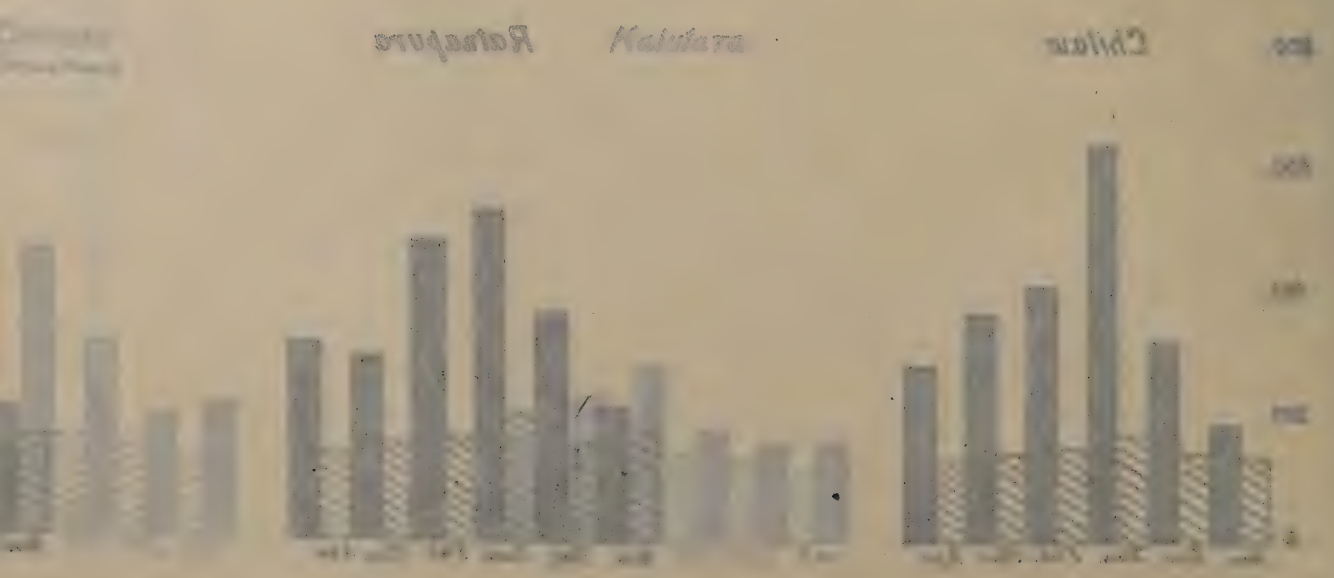
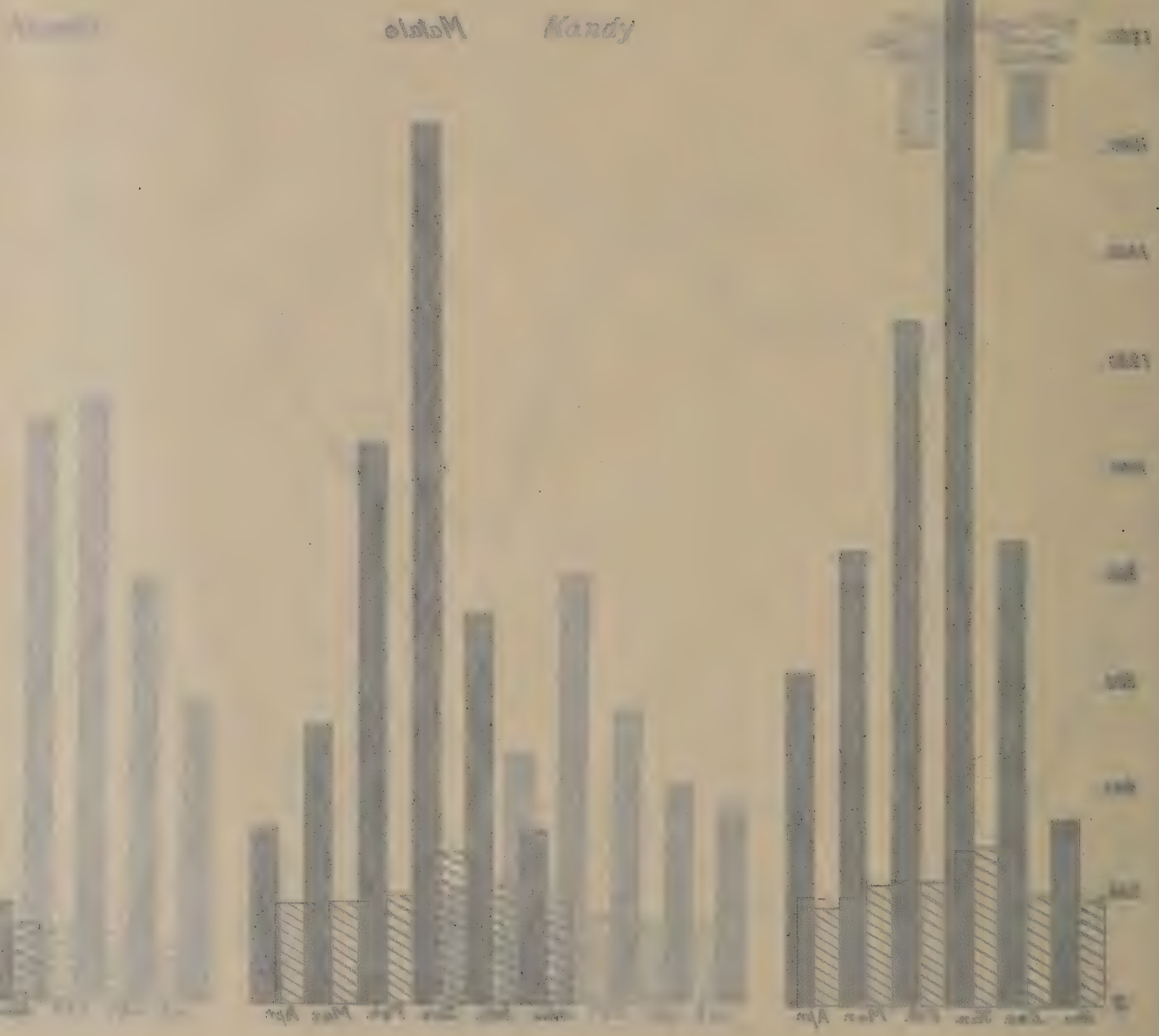


chart 7 b

DISTRICTS OUTSIDE AFFECTED AREA  
MORTALITY RATES DURING MONTHS OF EPIDEMIC  
Monthly Rates Per 100,000 Population

RATES PER  
100,000 POP.

1400

1200

1000

800

600

400

200

0

Nov. Dec. Jan. Feb. Mar. Apr.

Anuradhapura

Puttalam

Mullaitivu

Hambantota

Mean  
Death Rate  
1930/34



Death Rate  
During  
Epidemic



Mannar

Trincomalee

Badulla

Makara

600

400

200

0

Nov. Dec. Jan. Feb. Mar. Apr.

Jaffna

Galle

Batticaloa

Nuwara-Eliya

400

200

0

Nov. Dec. Jan. Feb. Mar. Apr.

Nov. Dec. Jan. Feb. Mar. Apr.

Nov. Dec. Jan. Feb. Mar. Apr.

Nov. Dec. Jan. Feb. Mar. Apr.

Nov. Dec. Jan. Feb. Mar. Apr.

Nov. Dec. Jan. Feb. Mar. Apr.

Nov. Dec. Jan. Feb. Mar. Apr.

Nov. Dec. Jan. Feb. Mar. Apr.

Nov. Dec. Jan. Feb. Mar. Apr.

Nov. Dec. Jan. Feb. Mar. Apr.

# DISTRICTS OUTSIDE/ATE MORTALITY RATES DURING W Monthly Rates Per 100,000

1945  
1946  
1947

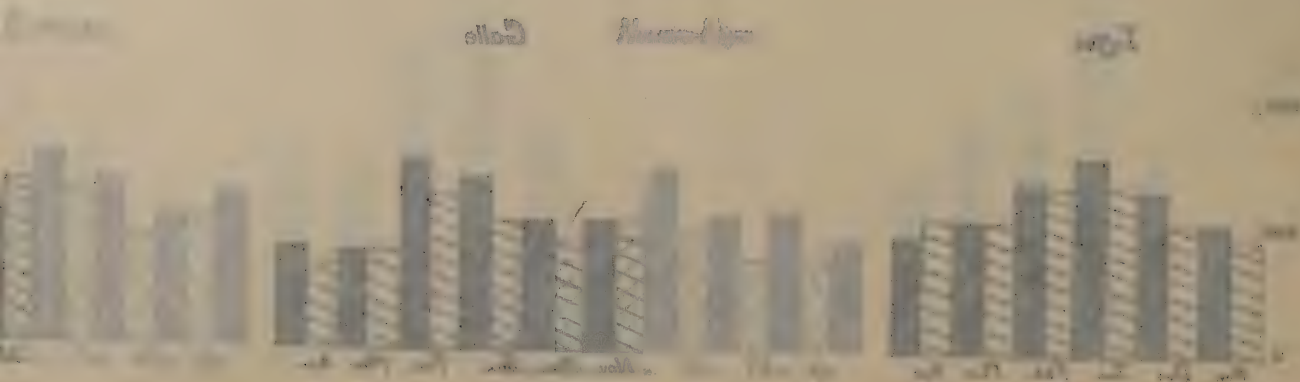
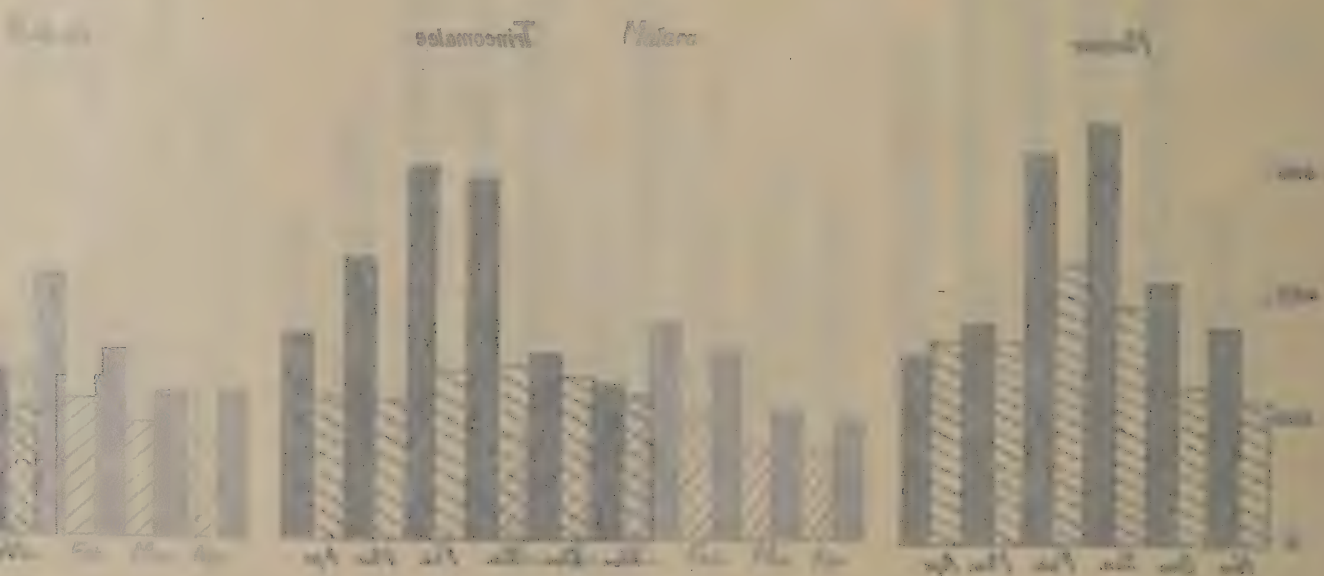
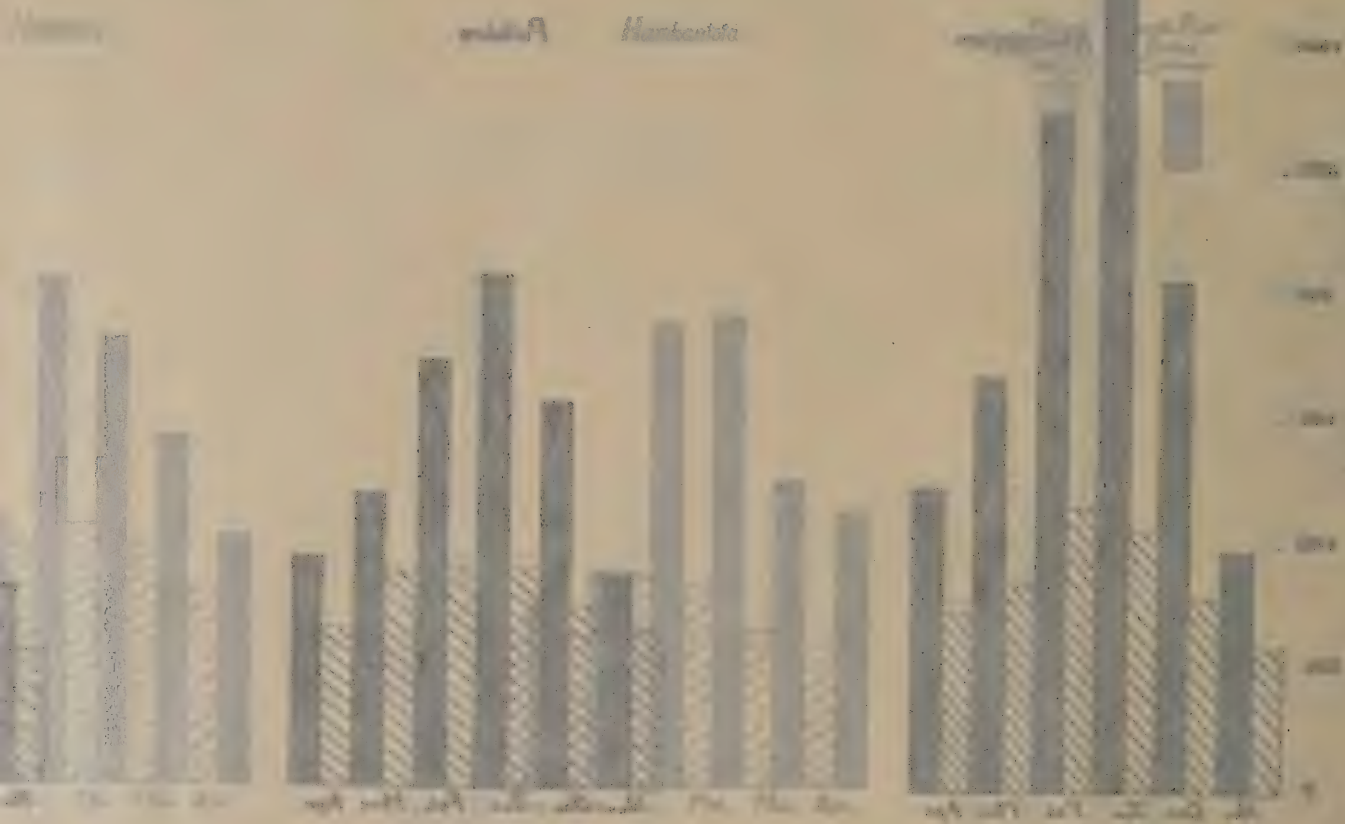
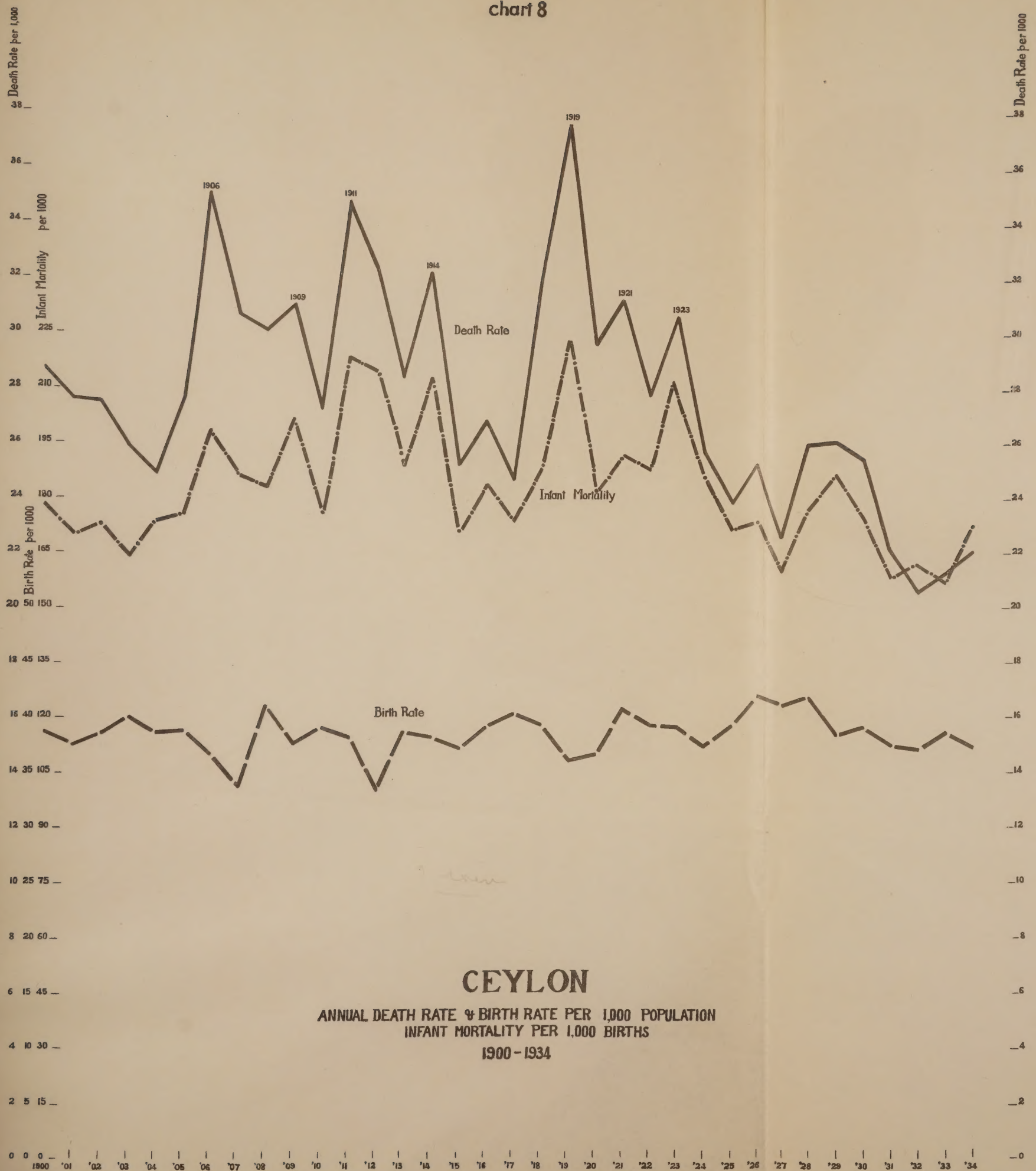


chart 8



# CEYLON ANNUAL DEATH RATE & BIRTH RATE PER 1,000 POPULATION INFANT MORTALITY PER 1,000 BIRTHS 1900-1934

